



Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63142

Entry Year 2028

Acreage: 2,428

County: Wexford

Management Area: Cadillac Moraines

Stand Examiner: Ben Lachman

Legal Description:

T22N R9W; Sec(s) 14,23,24,25,26,27,36. T21N R9W; Sec(s) 6,16. T21N R10W; Sec (s) 24,25,35,36.

Identified Planning Goals:

Vegetation management in the Upper Muskegon management area (MA) (Figure 2.27.1) 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:

Rubicon Sands and Lupton muck in the low ground.

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

Compartment is widely scattered throughout three townships with a mixture of state and private in each.

Unique Natural Features:

Potential for great blue heron rookery, osprey, eagle, goshawk, red-shouldered hawk, massasauga, wood turtle, and Blanding's turtle. Potential for rare mussels in rivers: elktote, slippershell mussel, ellipse. Potential for bigmouth shiner in rivers.

Archeological, Historical, and Cultural Features:

Indian mounds are located within the compartment.

Special Management Designations or Considerations:

Parts of the compartment have high recreational use. Treatments along the Cadillac pathway will need to address visual concerns. Do not treat stands along the cross country ski trail during ski season.

Watershed and Fisheries Considerations:

The Clam River flows through Compartment 142. The Clam River hosts a strong population of naturally reproducing brook trout. The Clam River is unique in that it provides the rare opportunity for anglers to catch large (15"+) brook trout.

Wildlife Habitat Considerations:

Management emphasis is on maintenance of aspen and lowland types, oak regeneration and allowing for northern hardwood conversion from pine plantations as applicable. Featured species include deer, ruffed grouse and woodcock. Timber sale specifications to benefit these featured species (where applicable) will include appropriate buffers to maintain lowland hydrology, maintenance of lowland shrubs, 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. (Victory, 5/24/16)

Mineral Resource and Development Concerns and/or Restrictions

There is no known potential for the occurrence of economic deposits of metallic minerals in this part of the state. Demand exists for aggregate resources in the Cadillac area, and several active producers exist just south of town. Therefore, while potential may exist for sand & gravel within the compartment, these pockets of State land might be too far from the population center for any aggregate resources to have much value beyond use by the county road commission or DNR for local road maintenance. There has been sparse oil & gas production in the area of the compartment, the closest active leasing of State-owned oil & gas rights is more than two miles away, and there is no evidence of recent well permit activity in the area. Potential for future oil & gas exploration and development within the compartment is considered low at this time.

The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

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. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Survey Needs:

Recreational Facilities and Opportunities:

Mitchell State Park and a portion of the Cadillac Pathway are located within this compartment. Any treatments within the state park boundary requires communication with the State Park Unit Supervisor. Methods used for treatment should take into consideration seasonal restrictions (reduce impacts to campers during camping season), as well as addressing any aesthetic concerns associated with resource management. Trail protection specifications should be considered if treatments impact the Cadillac Pathway. (T.N. 1/29/16).

Fire Protection:

Any fires in this area have the potential to have urban interface concerns. This area has fairly good access for equipment; however there are areas that equipment may be limited. Most areas would have a response time of approximately 30 minutes from the Manton Field Office.

Additional Compartment Information:

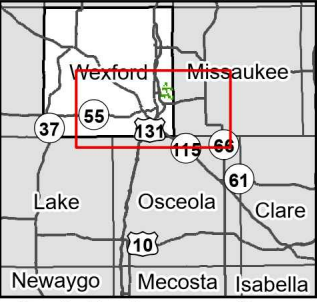
The following reports from the Inventory are attached:

- 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



N





3

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Miles

Compartiment: 63142

T22N, R09W, Sec. 14, 23-27, 36

T21N, R09W, Sec. 06, 16

T21N, R10W, Sec. 24, 25, 35, 36

County: Wexford

Unit: Cadillac

Mgmt. Area: Cadillac Moraines

YOE: 2028

Acres: 2,428 GIS Calculated

Examiner: Ben Lachman

Date Exported: 7/16/2026

Map Phase: 5

Web Post

Compartiment Boundary

Treatments with Site Conditions

Clearcut

Seed Tree

Shelterwood

Thinning

Planting (tree species)

Prescribed Burn

Openings Mgmt.

Other Treatments - See Comments

411 - Northern Hardwood

412 - Oak Types

413 - Aspen

414 - Other Upland Deciduous

419 - Mixed Upland Deciduous

421 - Planted Pines

422 - Natural Pines

423 - Other Upland Conifers

430 - Upland Mixed Forest

500 - Water

612 - Lowland Coniferous Forest

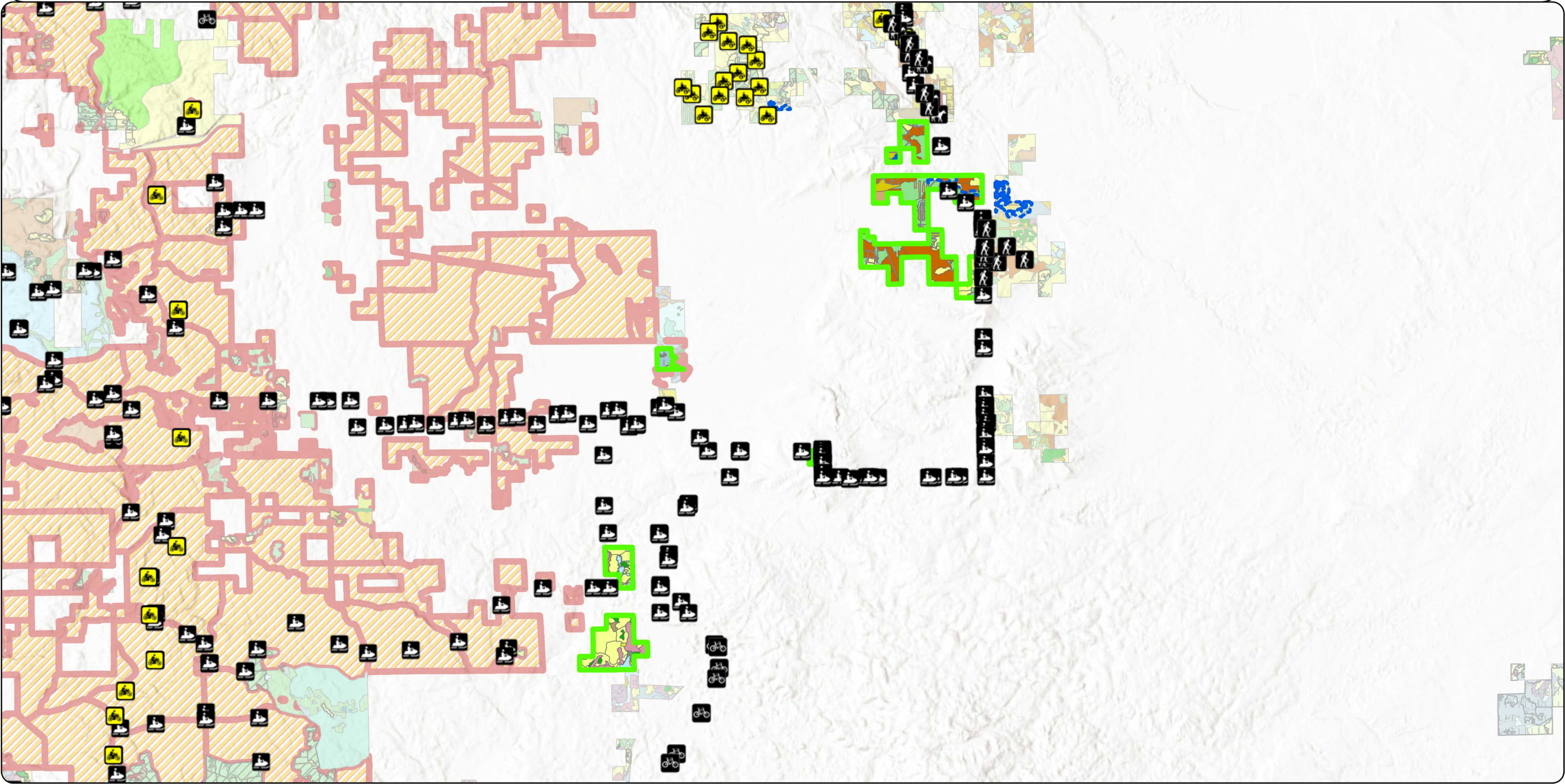
110 - Low Intensity Urban

310 - Herbaceous Openland

320 - Upland Shrub

330 - Low Density Trees

622 - Lowland Shrub





-  Prescribed Burn

 411 - Northern Hardwood

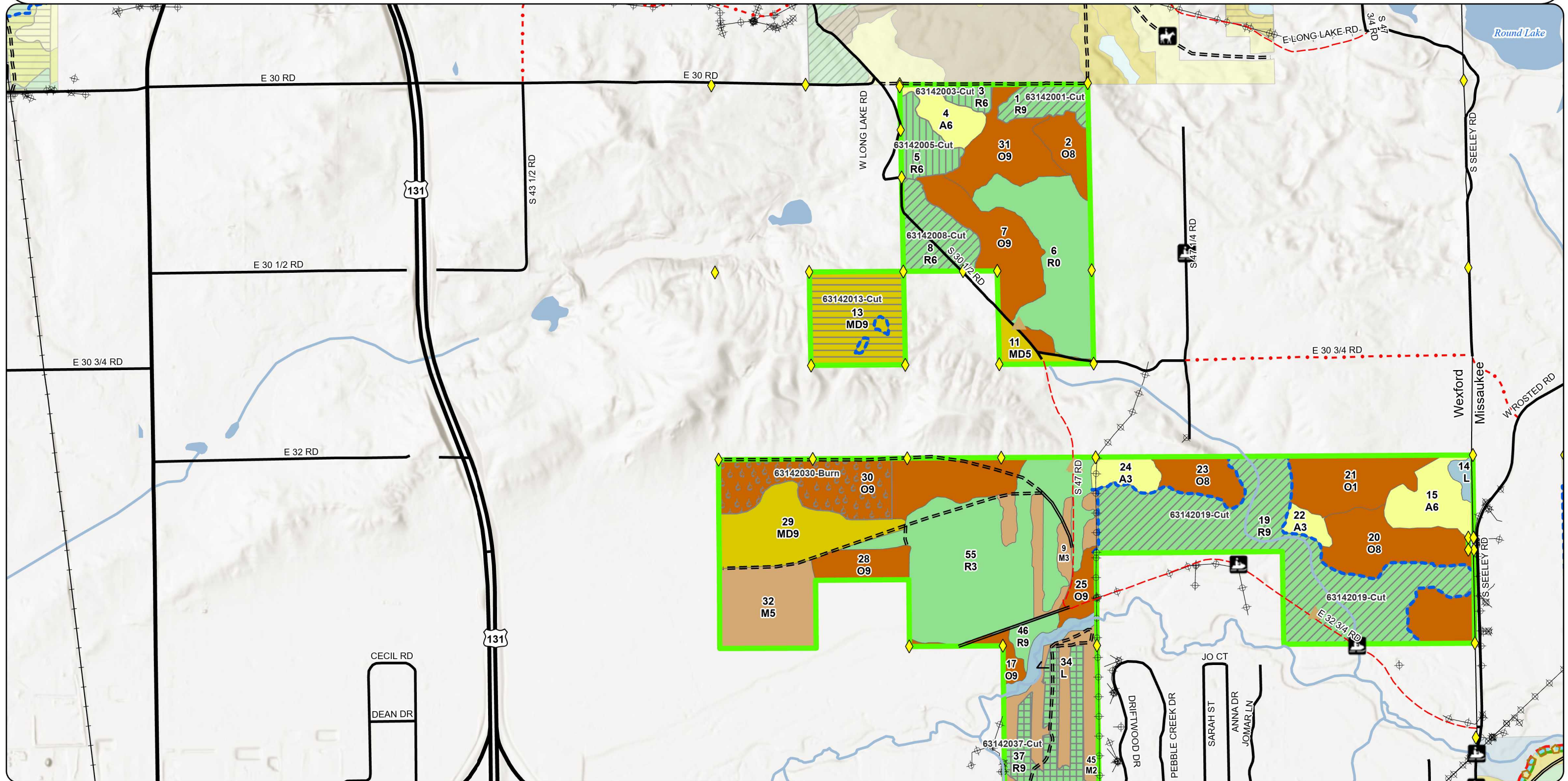
 412 - Oak Types

 413 - Aspen

 419 - Mixed Upland Deciduous

 421 - Planted Pines

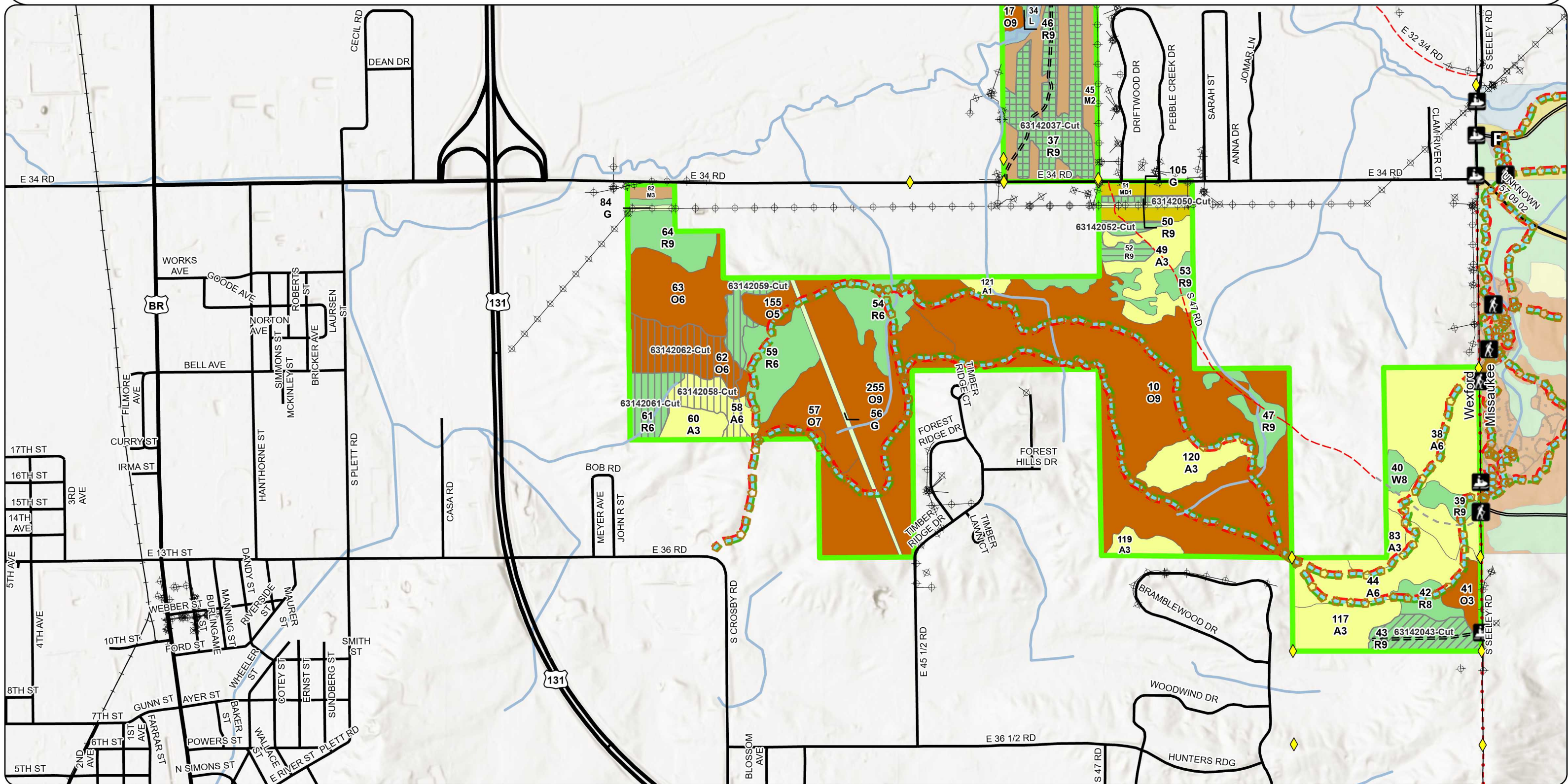
 622 - Lowland Shrub



A map of the study area in Wisconsin. The map shows the locations of Wexford, Missaukee, and Osceola. A red box highlights the area around Wexford and Missaukee. The map includes major roads 55, 115, and 137.



- | | | | | | | | |
|---|-----------------------------|---|---------------------------------------|---|---------------------------------|---|------------------------------|
|  | Survey Grade Corners |  | DNR - Forest Access Route |  | Electric |  | 412 - Oak Types |
|  | Parking Lot |  | Federal / State Highway |  | Compartment Boundary |  | 413 - Aspen |
|  | Designated Hiking Pathway |  | Federal / State / County - Paved Road |  | Treatments with Site Conditions |  | 419 - Mixed Upland Deciduous |
|  | Designated Bicycle Trails |  | County - Gravel Road |  | Clearcut |  | 421 - Planted Pines |
|  | Designated Ski Trails |  | County - Dirt Road (Seasonal) |  | Seed Tree |  | 310 - Herbaceous Openland |
|  | Designated Snowshoe Trails |  | Private - Dirt / Gravel Road |  | Shelterwood |  | 622 - Lowland Shrub |
|  | DNR - Secondary Forest Road |  | Railroads |  | Thinning | | |
| | |  | Streams |  | 411 - Northern Hardwood | | |



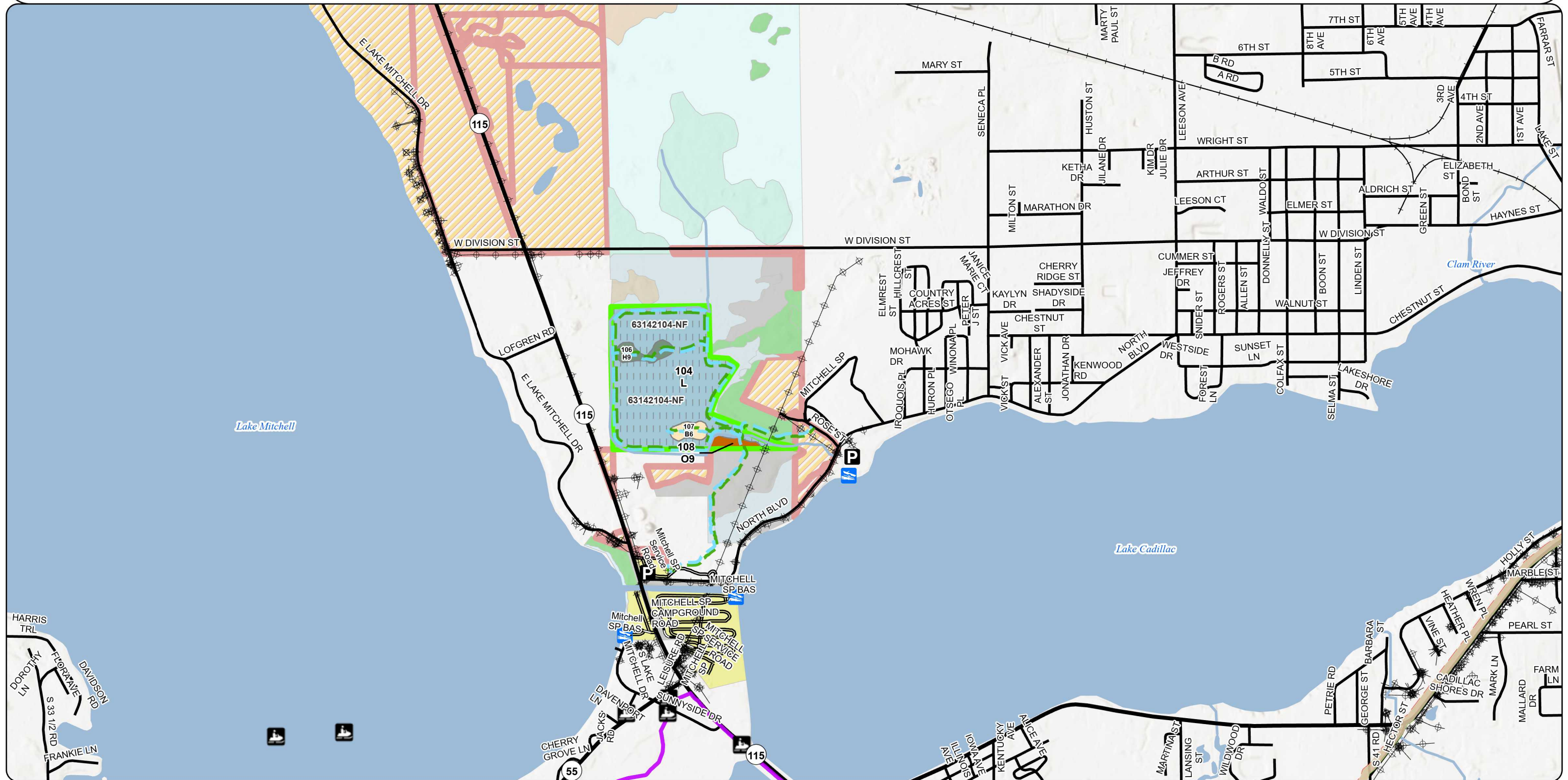


0 0.5 1 Map Phase: Web Post Miles

- Railtrail

 Lakes and Rivers

622 - Lowland Shrub



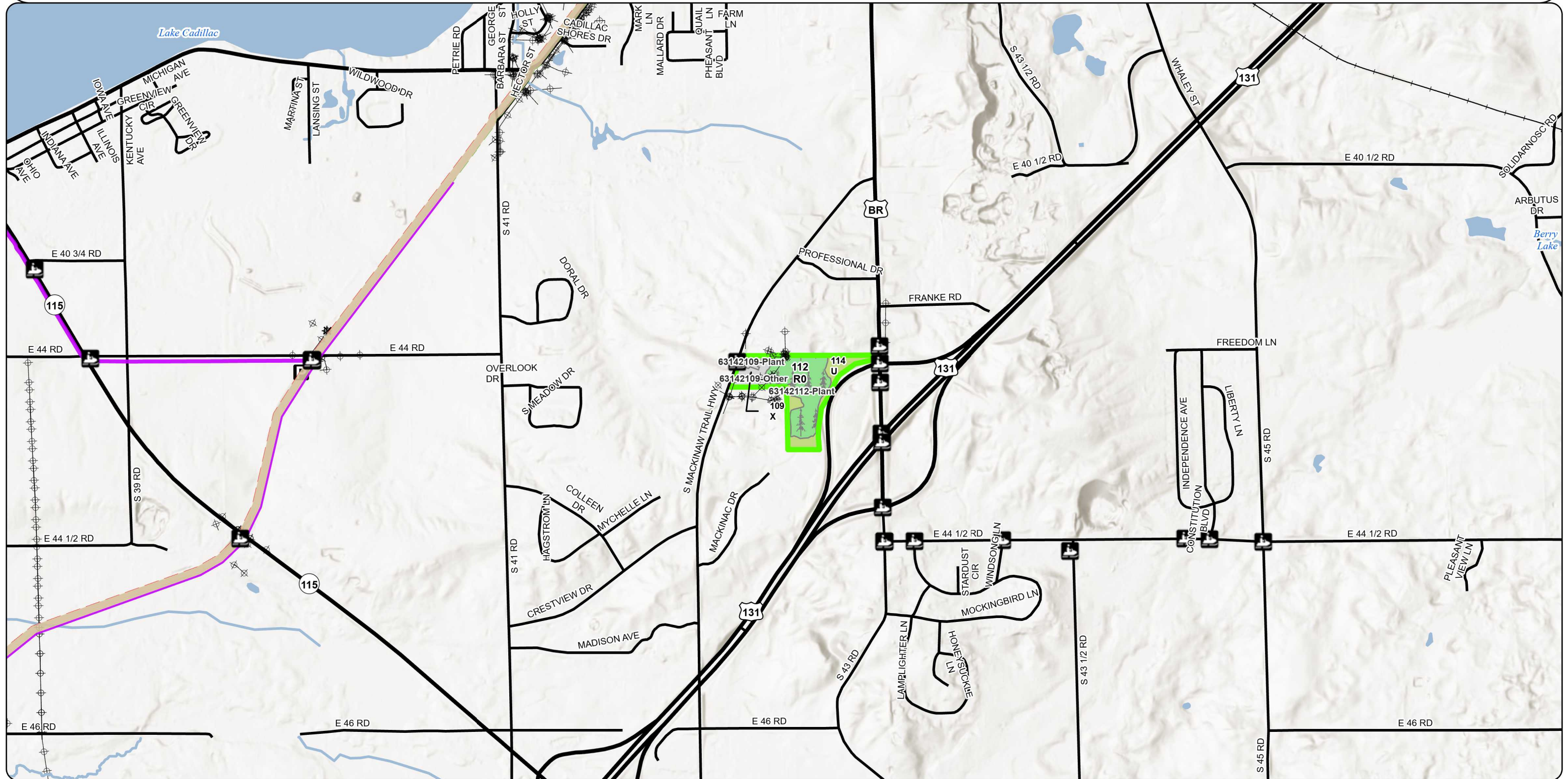
A map of the study area in Wisconsin. The map shows the locations of Wexford, Missaukee, and Osceola. A red box highlights the area around Wexford, which is the focus of the study. The map also shows the locations of the towns of Wexford, Missaukee, and Osceola. The map includes a scale bar and a north arrow.

0 0.5 Map Phase: Web Post 1

-  Designated Hiking Pathway
-  Designated Bicycle Trails
-  Designated Ski Trails
-  Designated Snowmobile
-  Railtrail

 Federal / State / County - Paved Road
 Railroads
 Streams
 Lakes and Rivers
 Electric

 Planting (tree species)
 Other Treatments - See Comments
 421 - Planted Pines
 110 - Low Intensity Urban
 320 - Upland Shrub



Cover Type & Treatments Map

Compartment: 63142
T22N, R09W, Sec. 14, 23-27, 36
T21N, R09W, Sec. 06, 16
T21N, R10W, Sec. 24, 25, 35, 36
County: Wexford
Unit: Cadillac
Mgmt. Area: Cadillac Moraines
YOE: 2028
Acres: 2,428 GIS Calculated
Examiner: Ben Lachman
Date Exported: 7/16/2026
Map Phase: Web Post



0 0.5 1 Miles

P Parking Lot

▲ Berm

— Designated Hiking Pathway

— Designated Bicycle Trails

— Designated Ski Trails

— Designated Snowmobile

— Railtrail

— DNR - Secondary Forest Road

— Federal / State / County - Paved Road

- - - Federal / State - Dirt / Gravel Road

— Streams

— Lakes and Rivers

⊕ ⊕ Electric

▭ Compartment Boundary

413 - Aspen

421 - Planted Pines

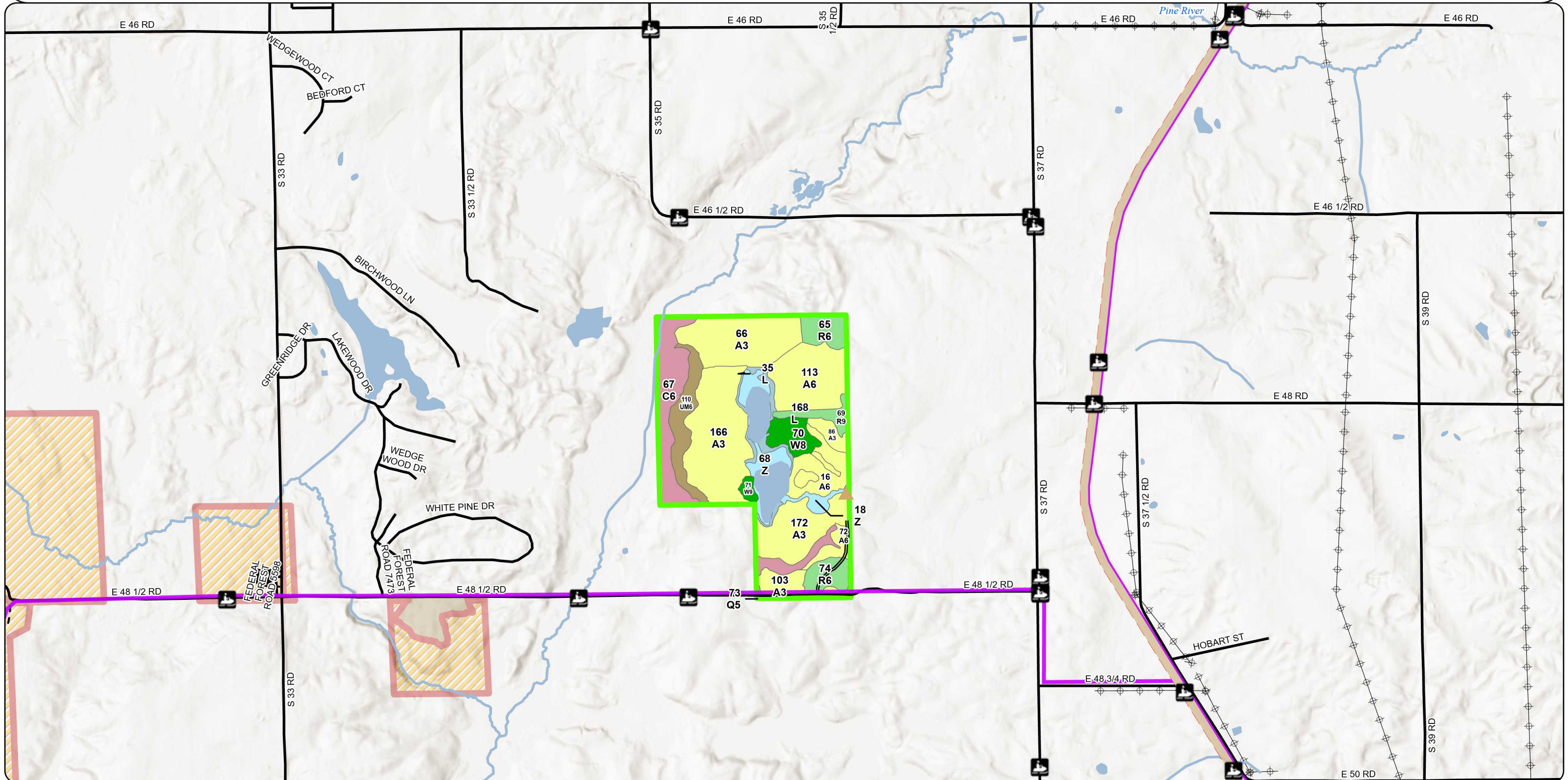
422 - Natural Pines

430 - Upland Mixed Forest

500 - Water

612 - Lowland Coniferous Forest

622 - Lowland Shrub



Cover Type & Treatments Map

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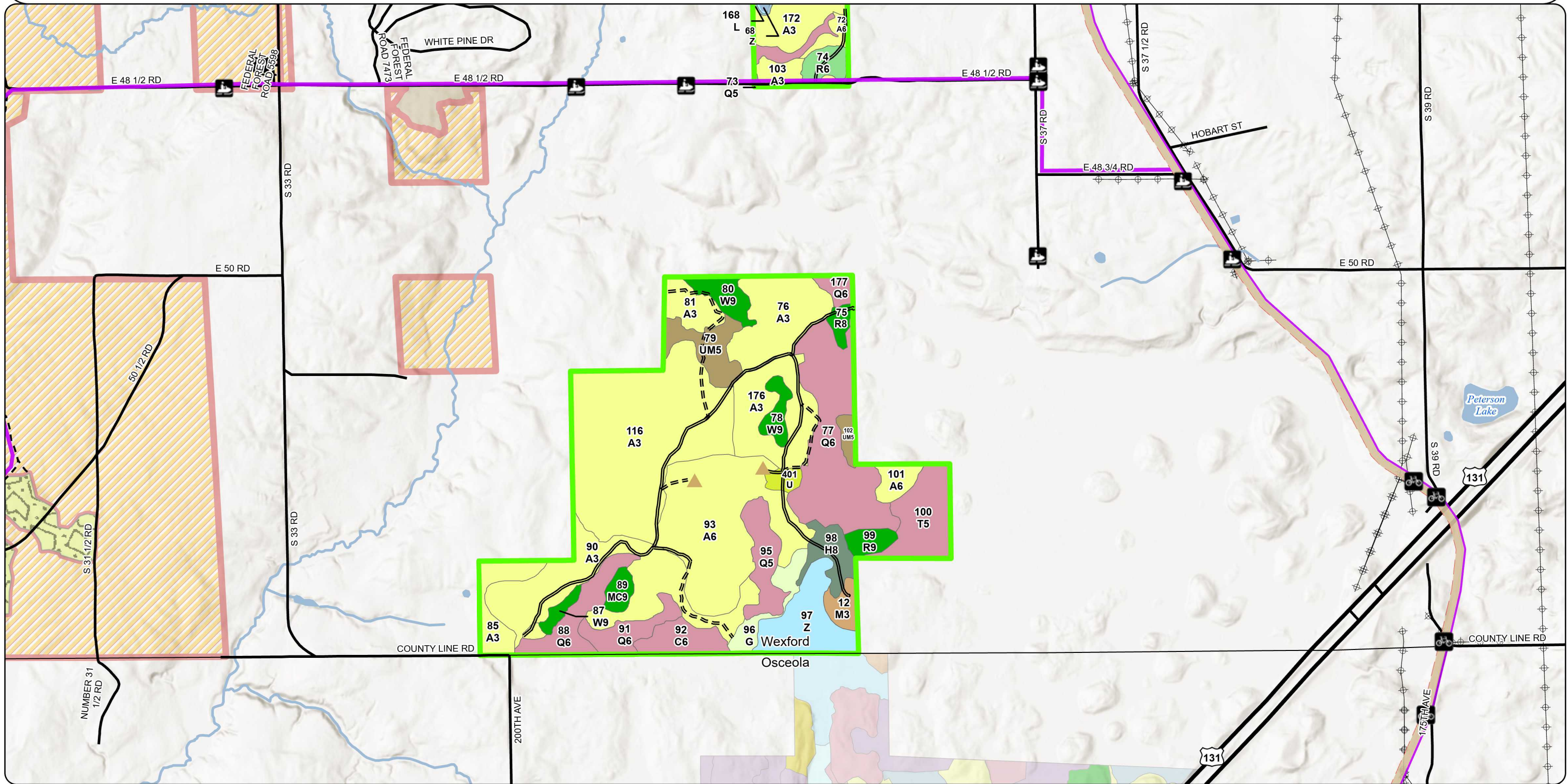
0 0.5 1 Miles

- Parking Lot
- Berm
- Designated Hiking Pathway
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Snowmobile
- Railtrail

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- Streams
- Lakes and Rivers

- Electric
- Compartiment Boundary
- 411 - Northern Hardwood
- 413 - Aspen
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers

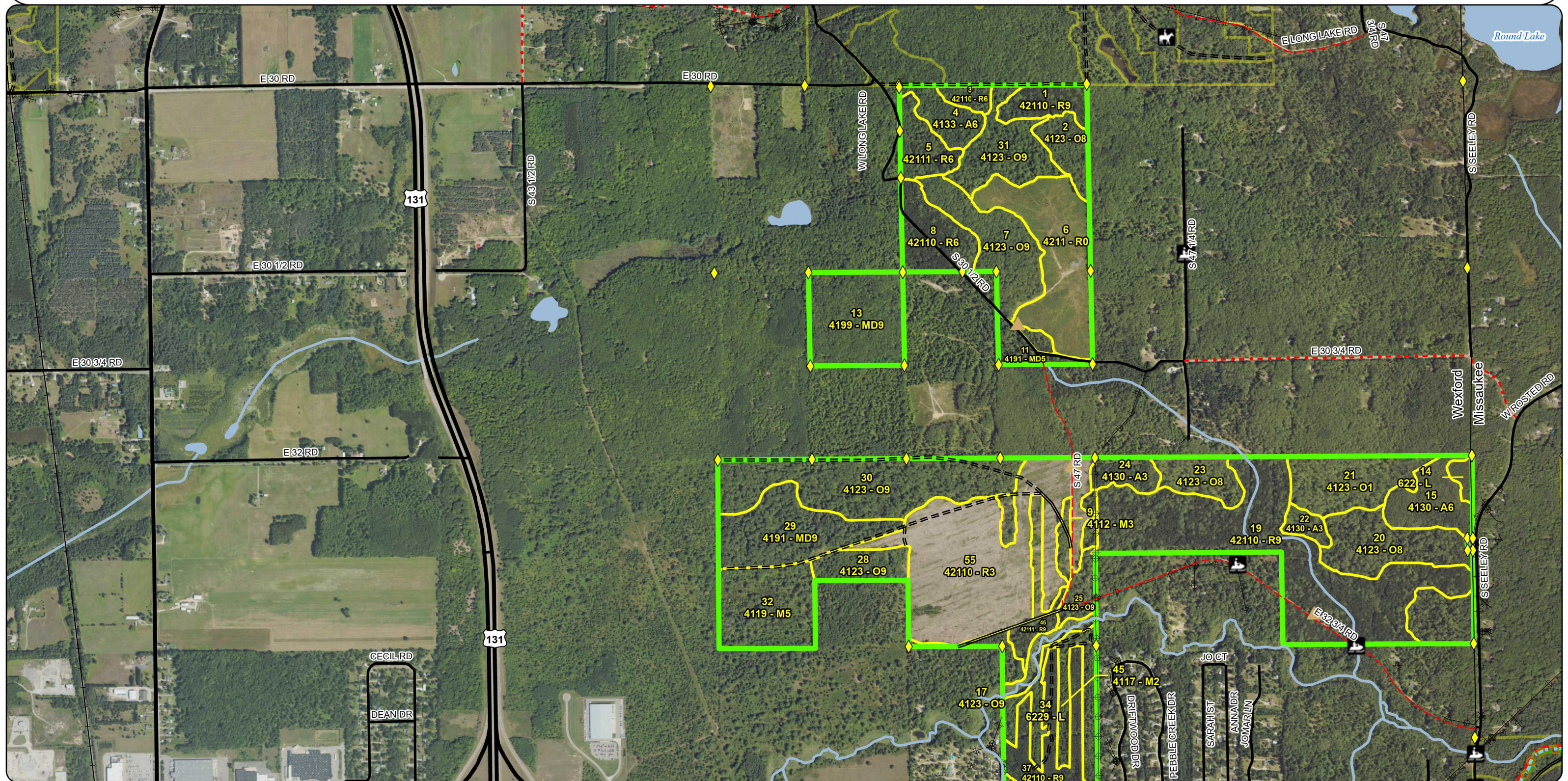
- 430 - Upland Mixed Forest
- 500 - Water
- 612 - Lowland Coniferous Forest
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub





-  Survey Grade Corners
-  Parking Lot
-  Berm
-  Designated Hiking Pathway
-  Designated Bicycle Trails
-  Designated Ski Trails
-  Designated Snowshoe Trails
-  DNR - Secondary Forest Road

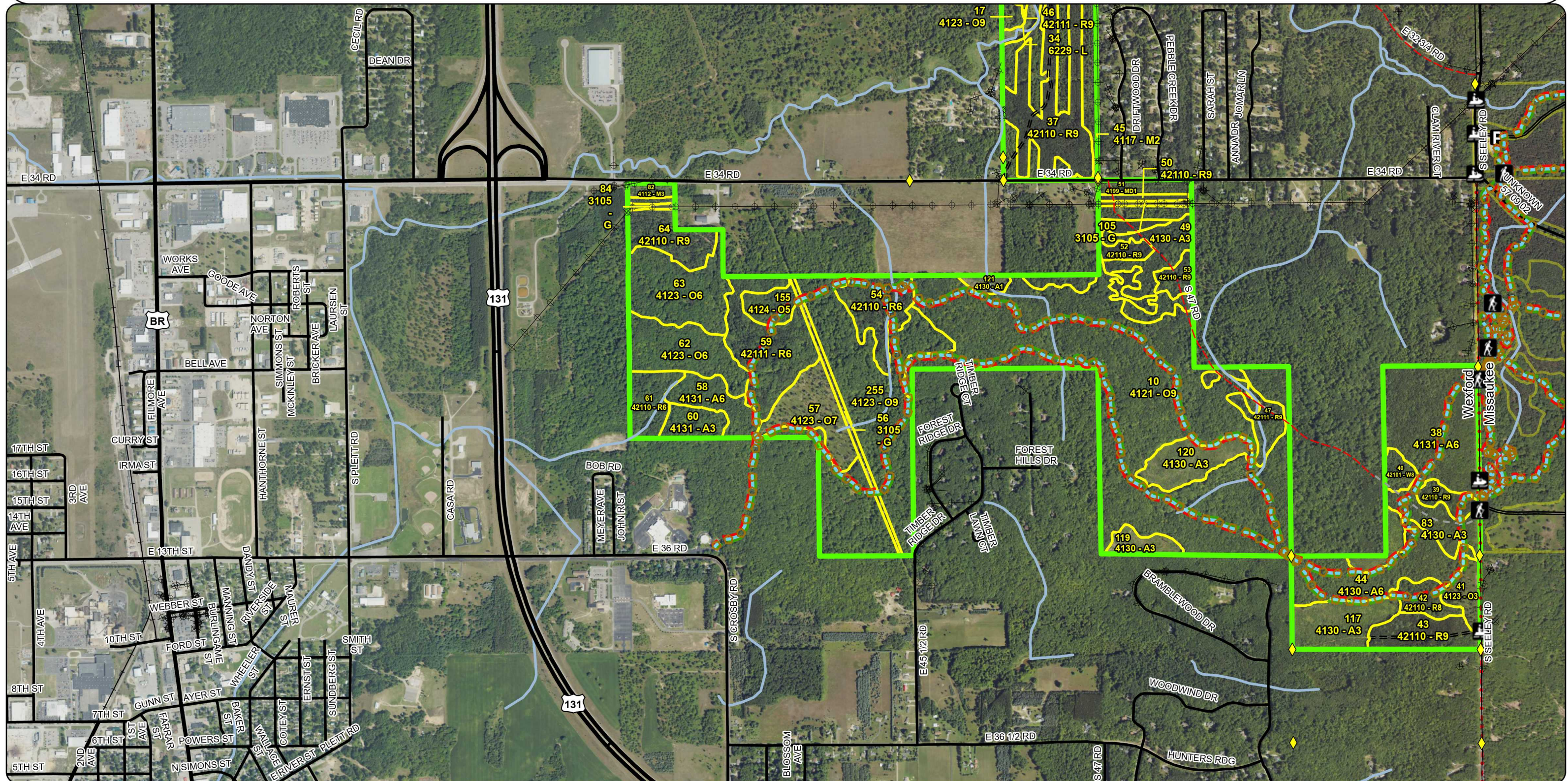
	Compartment Boundary	
	Compartment Stand Yellow Outline (PD)	
411 - Northern Hardwood		411 - Northern Hardwood
412 - Oak Types		412 - Oak Types
413 - Aspen		413 - Aspen
419 - Mixed Upland Deciduous		419 - Mixed Upland Deciduous
421 - Planted Pines		421 - Planted Pines
622 - Lowland Shrub		622 - Lowland Shrub



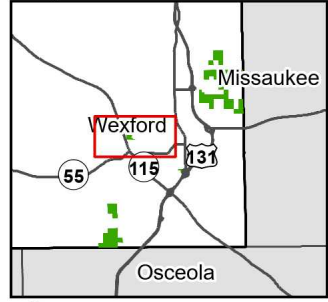


-  Survey Grade Corners
-  Parking Lot
-  Designated Hiking Pathway
-  Designated Bicycle Trails
-  Designated Ski Trails
-  Designated Snowshoe Trails
-  DNR - Secondary Forest Road
-  DNR - Forest Access Route

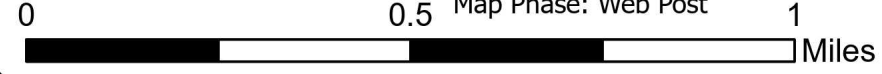
Compartiment Stand Yellow Outline (PD)	
411 - Northern Hardwood	411 - Northern Hardwood
412 - Oak Types	412 - Oak Types
413 - Aspen	413 - Aspen
419 - Mixed Upland Decidous	419 - Mixed Upland Decidous
421 - Planted Pines	421 - Planted Pines
310 - Herbaceous Openland	310 - Herbaceous Openland
622 - Lowland Shrub	622 - Lowland Shrub



Stand Boundary Map

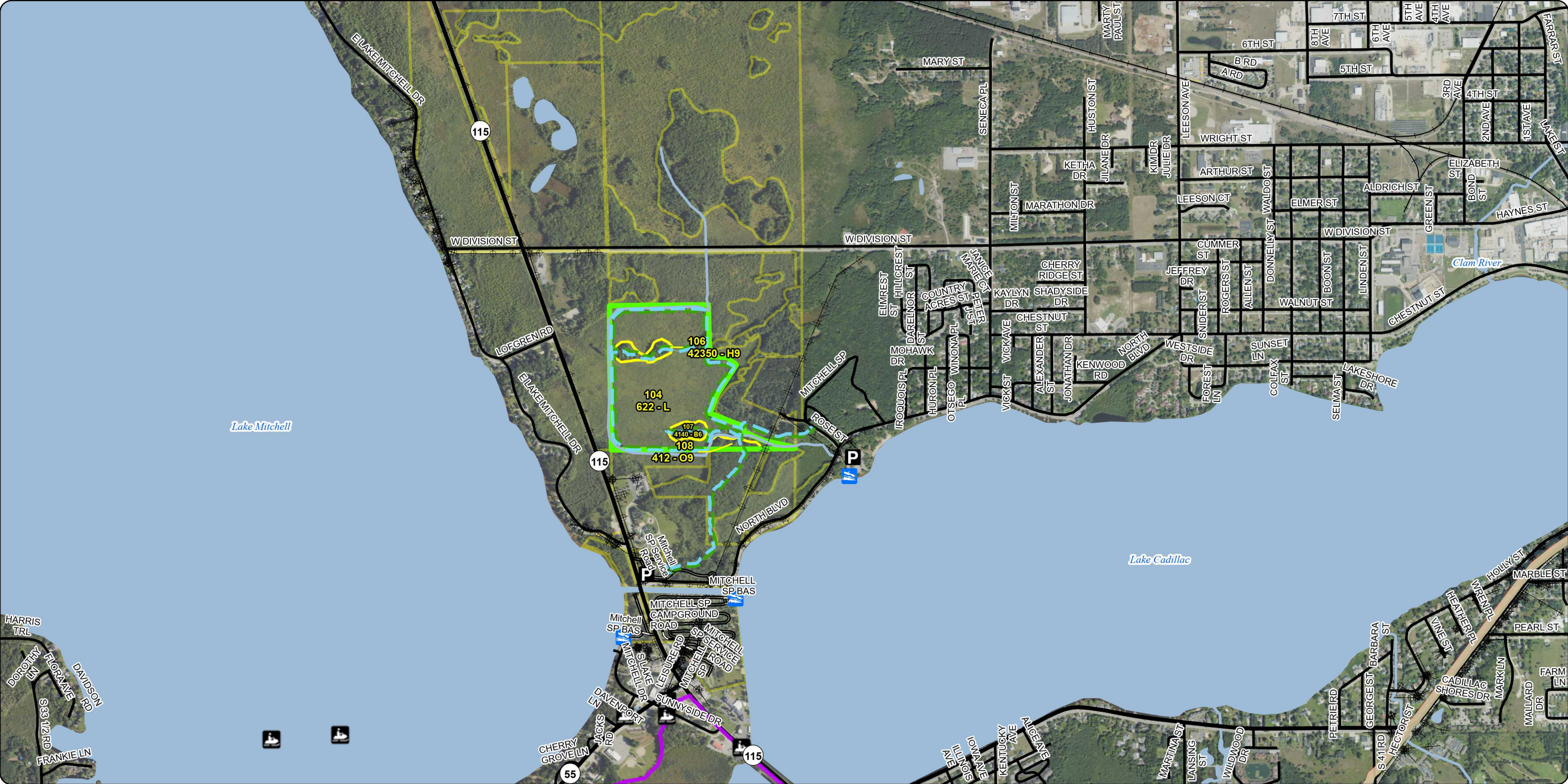


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- Parking Lot
- Boating Access Site
- Designated Hiking Pathway
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Snowmobile
- Railtrail
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- Federal / State Highway
- Federal / State / County - Paved Road
- Railroads
- Streams
- Lakes and Rivers

- Electric
- Compartment Boundary
- Compartment Stand Yellow Outline (PD)
- 412 - Oak Types
- 414 - Other Upland Deciduous
- 423 - Other Upland Conifers
- 622 - Lowland Shrub



A map of the study area in South Carolina. The map shows the locations of Wexford, Missaukee, and Osceola. A red box highlights the area around Wexford, which is the focus of the study. The map includes major roads 55, 115, and 131.



0.5 Map Phase: Web Post 1
Miles

- P** Parking Lot

— Designated Hiking Pathway

— Designated Bicycle Trails

— Designated Ski Trails

— Designated Snowmobile

— Railtrail

— Federal / State Highway

— Federal / State / County - Paved Road

— Railroads

— Streams

— Lakes and Rivers

⊕ Electric

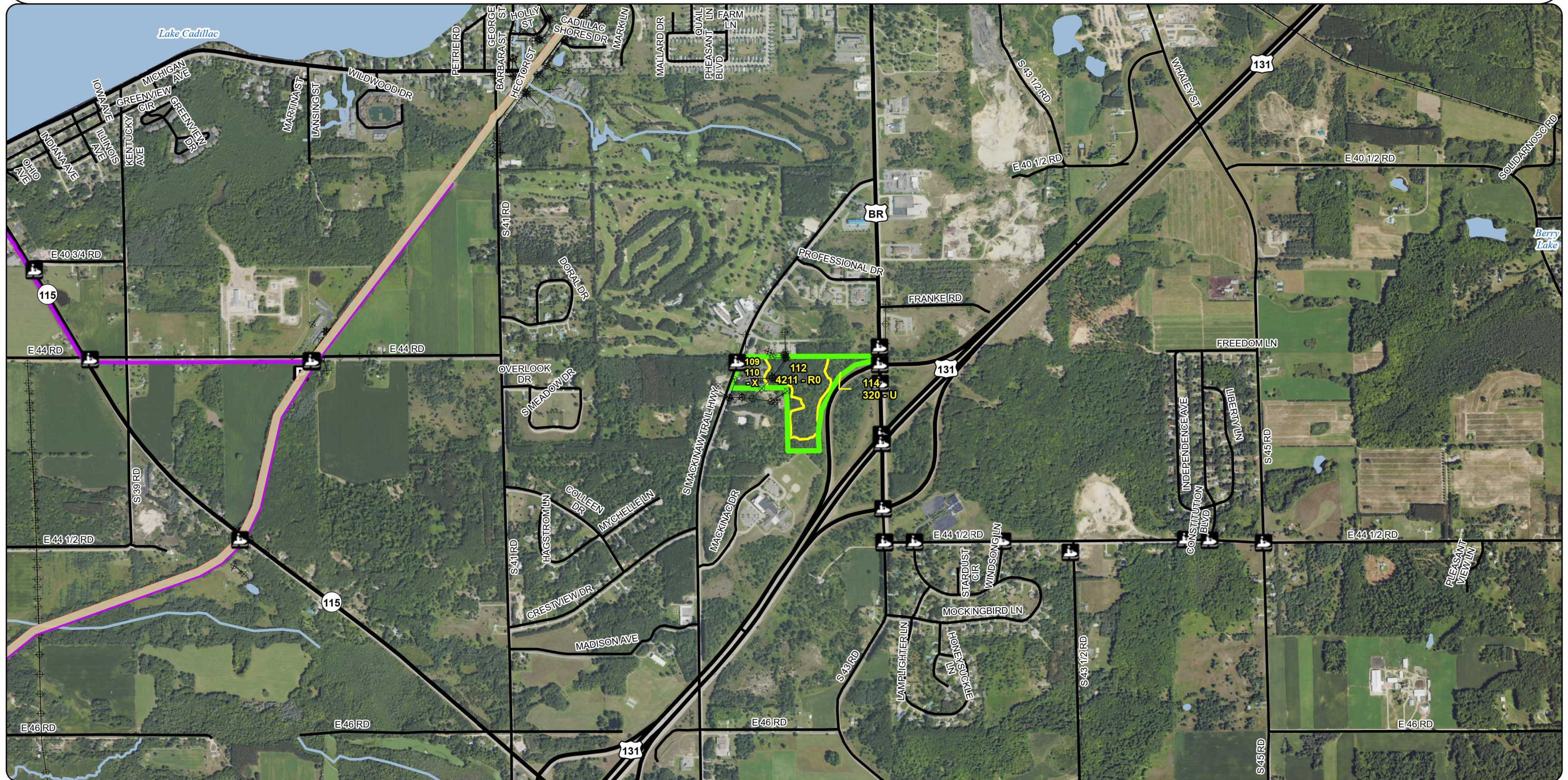
— Compartment Boundary

— Compartment Stand Yellow Outline (PD)

421 - Planted Pines

110 - Low Intensity Urban

320 - Upland Shrub



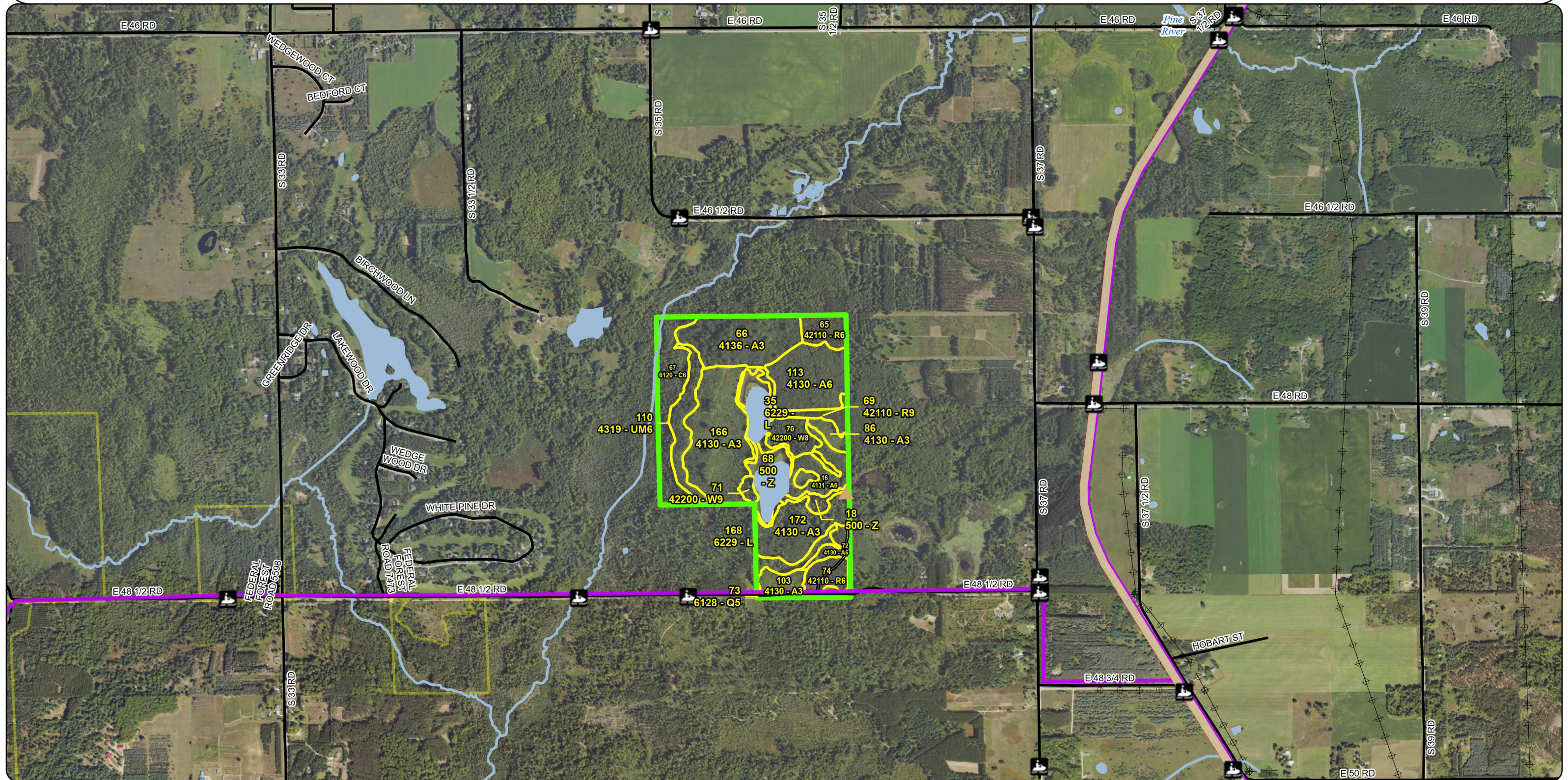
A map of the study area in south-central Wisconsin. The map shows a network of roads with route markers for 55, 115, and 131. The towns of Wexford, Missaukie, and Osceola are labeled. A red rectangle highlights the study area, which is located near Wexford and south of Missaukie. There are green pixelated shapes representing vegetation on the map, with a cluster near Missaukie and a single pixel within the red rectangle.

0 0.5 Map Phase: Web Post 1

- Legend:**

 - Parking Lot
 - Berm
 - Designated Hiking Pathway
 - Designated Bicycle Trails
 - Designated Ski Trails
 - Designated Snowmobile
 - Railtrail
 - DNR - Secondary Forest Road
 - Federal / State / County - Paved Road
 - Federal / State - Dirt / Gravel Road
 - Streams
 - Lakes and Rivers
 - Electric
 - Compartment Boundary
 - Compartment Stand Yellow Outline (PD)

413 - Aspen	413 - Aspen
421 - Planted Pines	421 - Planted Pines
422 - Natural Pines	422 - Natural Pines
430 - Upland Mixed Forest	430 - Upland Mixed Forest
500 - Water	500 - Water
612 - Lowland Coniferous Forest	612 - Lowland Coniferous Forest
622 - Lowland Shrub	622 - Lowland Shrub



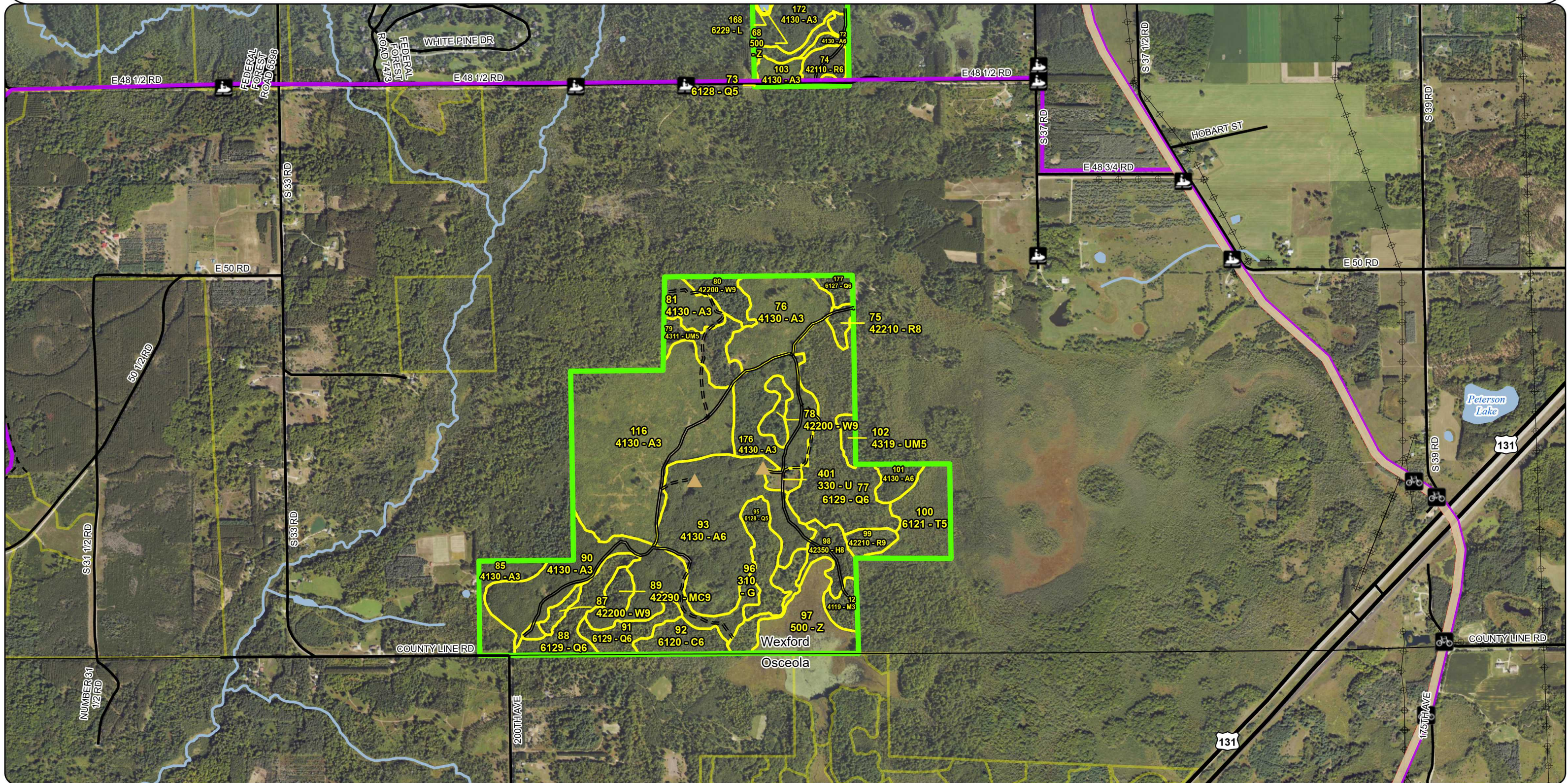
A map of the study area in Michigan, showing the location of the study site (red square) near the intersection of US-131 and US-115, south of Wexford and north of Lake. The map includes labels for Wexford, Missaukee, Lake, Osceola, Clare, Newaygo, Mecosta, and Isabella. Highway numbers 37, 55, 115, 131, 66, 61, and 10 are also shown.

0.5 Map Phase: Web Post 1
Miles

-  Parking Lot
-  Berm
-  Designated Hiking Pathway
-  Designated Bicycle Trails
-  Designated Ski Trails
-  Designated Snowmobile
-  Railtrail
-  DNR - Secondary Forest Road
-  DNR - Forest Access Route
-  Federal / State Highway

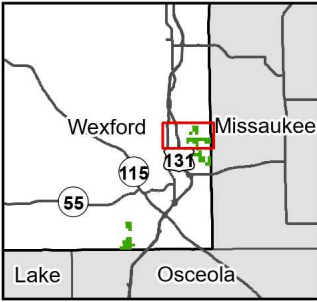
- | | |
|-------------------------|-------------------------|
| 411 - Northern Hardwood | 411 - Northern Hardwood |
| 413 - Aspen | 413 - Aspen |
| 421 - Planted Pines | 421 - Planted Pines |

- | | |
|---------------------------------|---------------------------------|
| 422 - Natural Pines | 422 - Natural Pines |
| 423 - Other Upland Conifers | 423 - Other Upland Conifers |
| 430 - Upland Mixed Forest | 430 - Upland Mixed Forest |
| 500 - Water | 500 - Water |
| 612 - Lowland Coniferous Forest | 612 - Lowland Coniferous Forest |
| 310 - Herbaceous Openland | 310 - Herbaceous Openland |
| 330 - Low Density Trees | 330 - Low Density Trees |
| 622 - Lowland Shrub | 622 - Lowland Shrub |



Special Conservation Areas & Site Conditions Map

Compartment: 63142
T22N, R09W, Sec. 14, 23-27, 36
T21N, R09W, Sec. 06, 16
T21N, R10W, Sec. 24, 25, 35, 36
County: Wexford
Unit: Cadillac
Mgmt. Area: Cadillac Moraines
YOE: 2028
Acres: 2,428 GIS Calculated
Examiner: Ben Lachman
Date Exported: 7/16/2026
Map Phase: Web Post



0 0.5 1 Miles

Survey Grade Corners

Parking Lot

Berm

Designated Hiking Pathway

Designated Bicycle Trails

Designated Ski Trails

Designated Snowshoe Trails

DNR - Secondary Forest Road

DNR - Forest Access Route

Federal / State Highway

Federal / State / County - Paved Road

County - Gravel Road

County - Dirt Road (Seasonal)

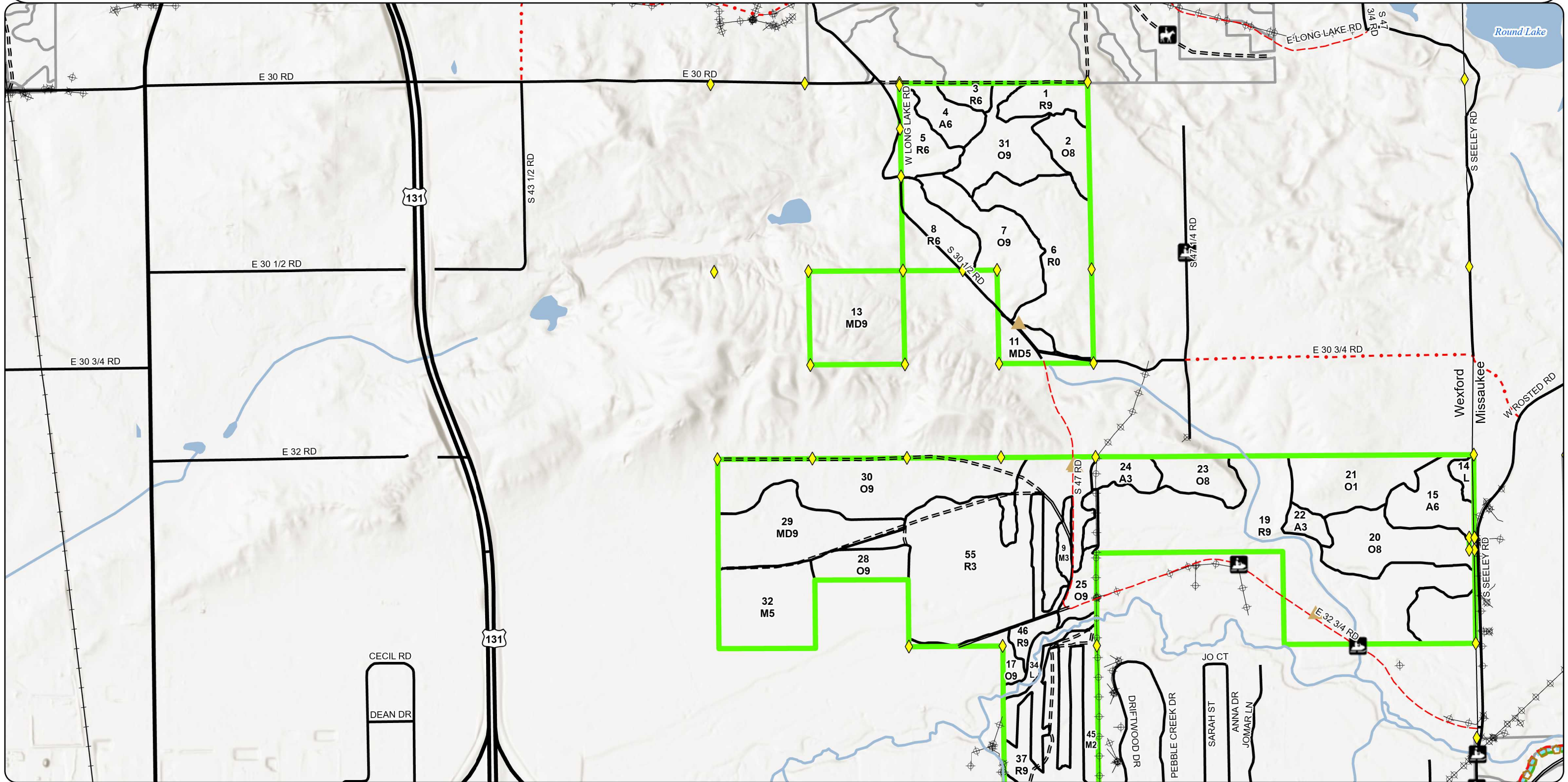
Railroads

Streams

Lakes and Rivers

Electric

Compartment Boundary



Special Conservation Areas & Site Conditions Map

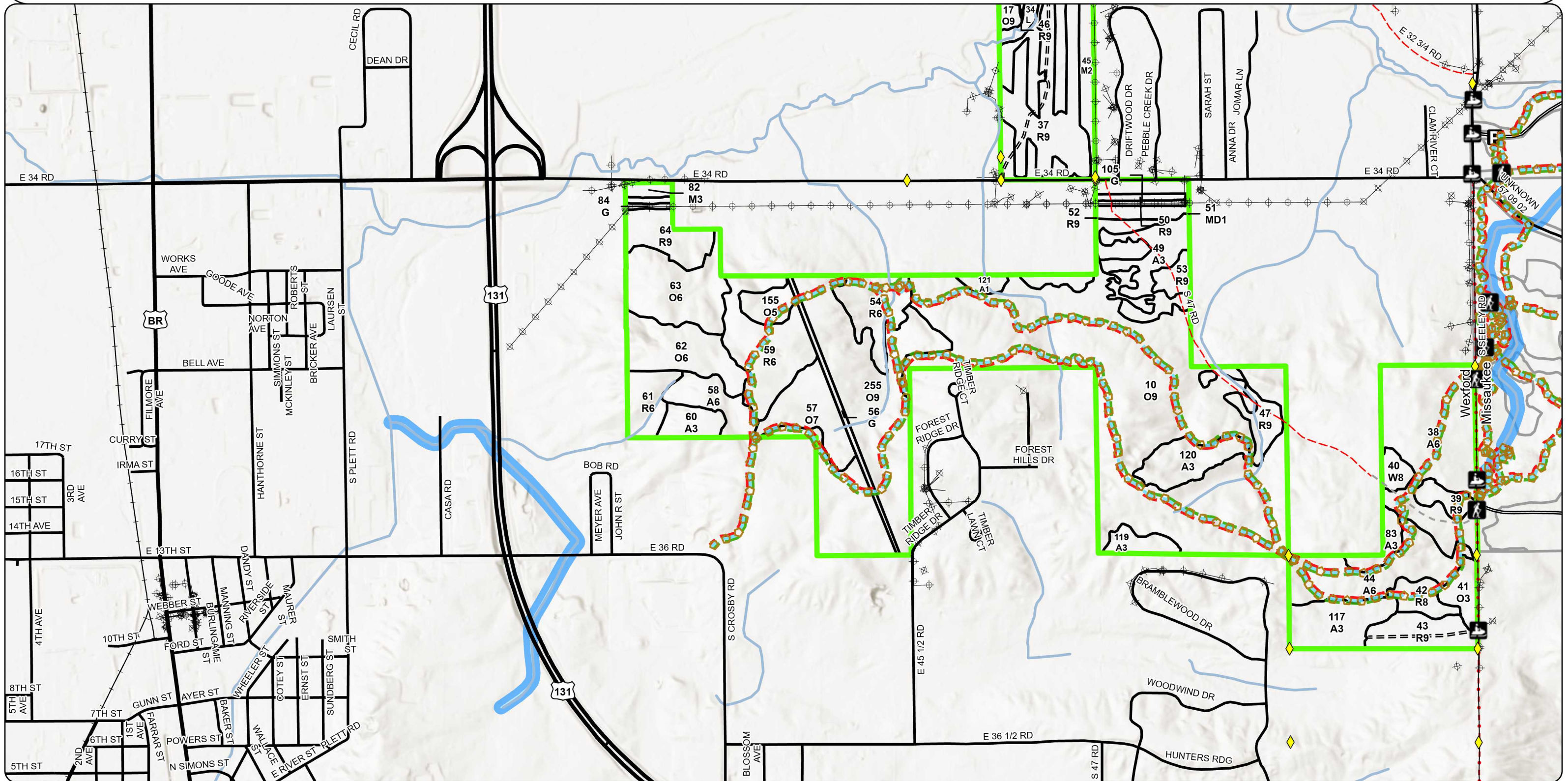
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0 0.5 1 Miles

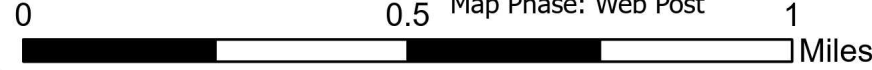
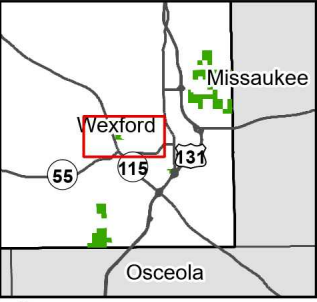
- Survey Grade Corners
- Parking Lot
- Designated Hiking Pathway
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Snowshoe Trails

- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Railroads
- Streams
- Electric
- Compartment Boundary
- Cold Water Streams
- High Priority Trout Stream Buffer



Special Conservation Areas
& Site Conditions Map

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- P** Parking Lot

Boating Access Site

Designated Hiking Pathway

Designated Bicycle Trails

Designated Ski Trails

Designated Snowmobile
- Railtrail

DNR - Primary Forest Road

DNR - Secondary Forest Road

Federal / State Highway

Federal / State / County - Paved Road

Railroads
- Streams

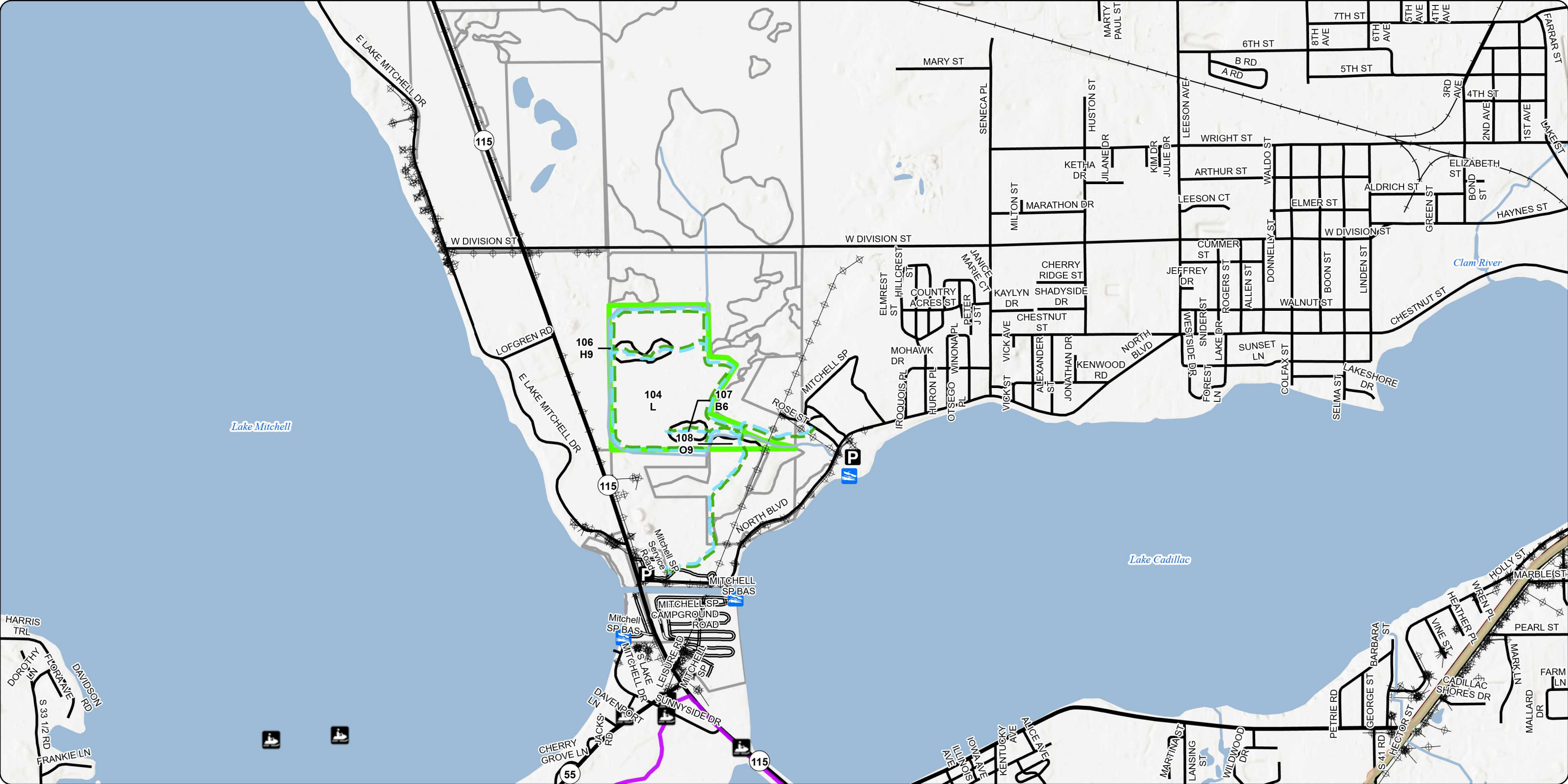
Lakes and Rivers

Electric

Compartment Boundary

SCA

Trail - Trail Corridor



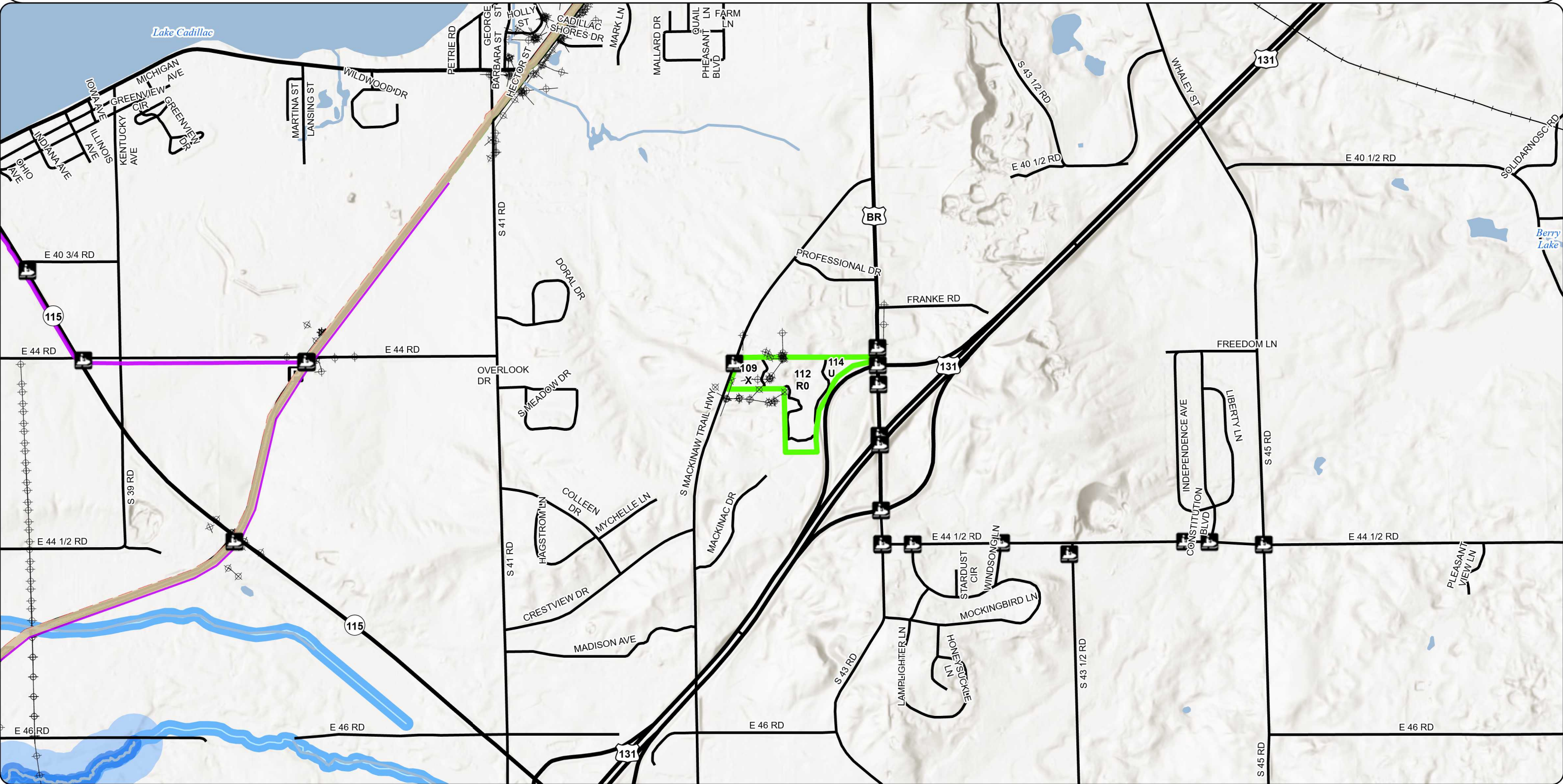
Map Phase: Web Post 1

 Miles

-  Parking Lot
-  Designated Hiking Pathway
-  Designated Bicycle Trails
-  Designated Ski Trails
-  Designated Snowmobile
-  Railtrail
-  Federal / State Highway

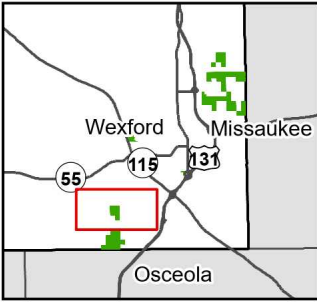
Legend:

- Federal / State / County - Paved Road
- Railroads
- Streams
- Lakes and Rivers
- Electric
- Compartment Boundary
- High Conservation Value Areas
 - Natural Rivers Vegetative Buffer
 - Natural Rivers Zoning District
 - SCA
 - Cold Water Streams
 - High Priority Trout Stream Buffer
 - Trail - Trail Corridor



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0 0.5 1 Miles

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Berm

Designated Hiking Pathway

Designated Bicycle Trails

Designated Ski Trails

Designated Snowmobile

Railtrail

DNR - Secondary Forest Road

Federal / State / County - Paved Road

Federal / State - Dirt / Gravel Road

Streams

Lakes and Rivers

Electric

Compartment Boundary

High Conservation Value Areas

Ecological Reference Areas

Natural Rivers Vegetative Buffer

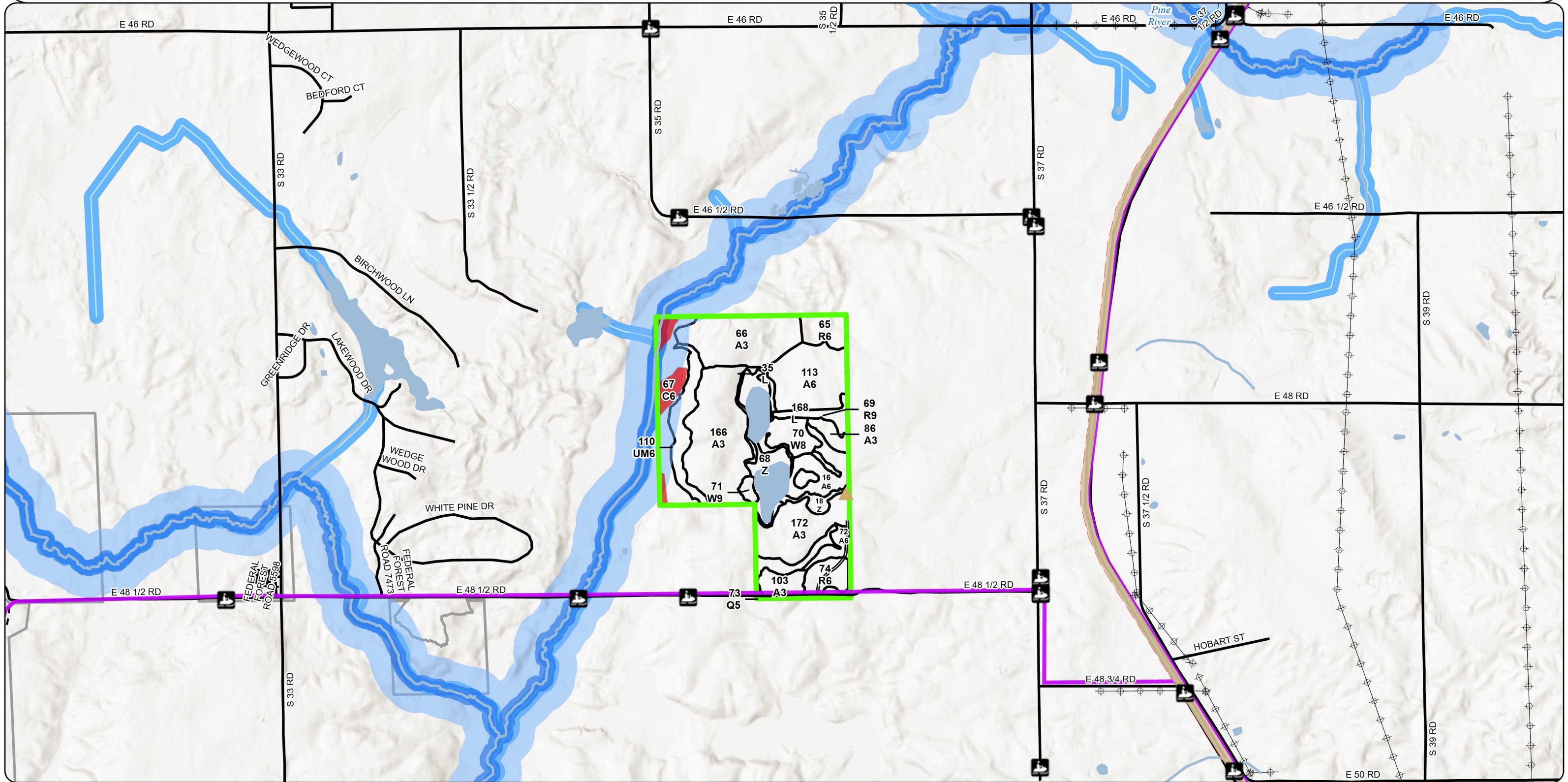
Natural Rivers Zoning District

SCA

Cold Water Streams

High Priority Trout Stream Buffer

Trail - Trail Corridor



Special Conservation Areas & Site Conditions Map

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Unit: Cadillac
Mgmt. Area: Cadillac Moraines
YOE: 2028
Acres: 2,428 GIS Calculated
Examiner: Ben Lachman
Date Exported: 7/16/2026
Map Phase: Web Post



0 0.5 1

Miles

P Parking Lot

Berm

Designated Hiking Pathway

Designated Bicycle Trails

Designated Ski Trails

Designated Snowmobile

Railtrail

DNR - Secondary Forest Road

DNR - Forest Access Route

Federal / State Highway

Federal / State / County - Paved Road

Federal / State - Dirt / Gravel Road

Streams

Lakes and Rivers

Electric

Compartment Boundary

High Conservation Value Areas

Natural Rivers Vegetative Buffer

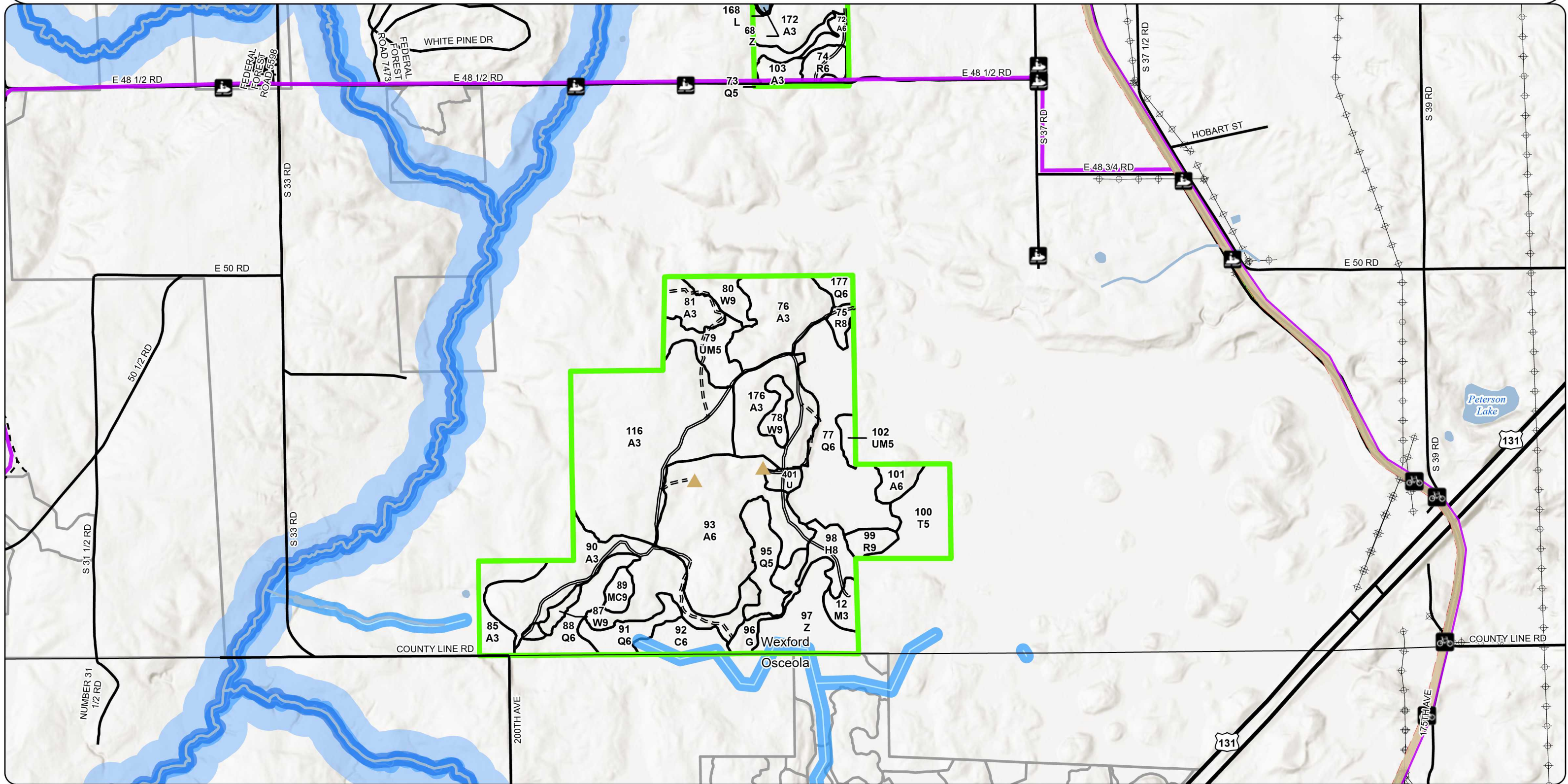
Natural Rivers Zoning District

SCA

Cold Water Streams

High Priority Trout Stream Buffer

Trail - Trail Corridor



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	203	88	89	90	0	92	62	0	0	0	0	0	0	0	0	0	25	649
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	29
Hemlock	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Herbaceous Openland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	25	0	54	0	0	0	0	20	98
Lowland Shrub	81	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Mixed Upland Deciduous	0	0	12	0	0	0	0	0	0	0	40	8	39	0	0	0	0	0	99
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
Northern Hardwood	0	3	71	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
Oak	0	8	29	0	0	0	0	0	55	6	124	0	182	14	0	2	0	241	660
Paper Birch	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3
Red Pine	65	102	0	0	0	0	0	119	244	0	3	5	0	0	0	0	0	8	546
Tamarack	0	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	21
Upland Mixed Forest	0	0	0	0	16	0	0	10	0	0	0	0	0	0	0	0	0	0	26
Upland Shrub	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Urban	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40
White Pine	0	0	0	0	0	0	0	0	12	2	3	0	0	0	0	0	0	13	29
Total	218	316	200	112	106	0	92	191	311	11	230	13	275	43	0	2	0	311	2428



Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 142
Total Compartment Acres: 2,428

Commercial Harvest - 580
Harvests with Site Condition - 76
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversky Removal	Salvage	Other	Total Acres
Aspen	0	0	0	0	11	0	0	0	0	11
Mixed Upland Deciduous	38	0	0	0	0	0	0	0	0	38
Oak	0	0	0	0	24	0	0	0	0	24
Red Pine	8	0	0	42	41	165	0	0	0	255
Total	46	0	0	42	75	165	0	0	0	328

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	328	0	15	0	38	0	0	0	65	445
Next Step	0	14	8	0	0	14	394	14	0	445
Total	328	14	23	0	38	14	394	15	65	891



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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Proposed Treatments:

1	63142001-Cut	12.3	42110 - Planted Red Pine	9	70	141- 170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription Low ThinningThin from below to a residual BA of 80-100 sf/acre. Mark to promote Oak. Do not cut Oak. Include Oak wilt spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderately to fully stocked with red pine, red oak, red maple, and aspen.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

3	63142003-Cut	5.2	42110 - Planted Red Pine	6	70	141- 170	Harvest	Shelterwood	429 - Mixed Upland Conifers	Cutting Record	No
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Prescription ShelterwoodDo not cut oak and mark to leave red pine to achieve a residual BA of 20 - 30 sq/ft. Include oak wilt spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate of better stocking of oak, red pine, white pine, red maple, and aspen.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

5	63142005-Cut	14.0	42111 - Planted Red Pine, Mixed Deciduous	6	70	171- 200	Harvest	Shelterwood	4191 - Mixed Upland Deciduous with Conifer	Cutting Record	No
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Prescription ShelterwoodTarget residual BA of 30-50 sf/acre. Only cut red pine, white pine, and aspen. Thin oak where applicable to reach target BA.

Specs: Include oak wilt spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of red pine, white pine, aspen, red maple, and oak.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027



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
8	63142008-Cut	22.1	42110 - Planted Red Pine	6	70	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin from below to a residual BA of 80-100 sf/acre. Mark to promote Oak. Include oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking of red oak, red pine, white pine, red maple, and aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
13	63142013-Cut	38.2	4199 - Other Mixed Upland Deciduous	9	99	141- 170	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Final Harvest with 3 to 10 % area retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking of red oak, white oak, red maple, aspen, beech. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Unknown Access <u>Proposed Start Date:</u> 10/01/2027											
19	63142019-Cut	115.3	42110 - Planted Red Pine	9	72	171- 200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin from below to a residual BA of 100 to 120. Include oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking of red pine, white pine, red maple, and red oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
30	63142030- Burn	37.7	4123 - Red Oak	9	119	51-80	Burn	Prescribed Burn	412 - Oak Types	Cutting Record	No
<u>Prescription</u> RX burn to set back red maple and stimulate oak regeneration. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> oak <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											



Standard

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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37	63142037-Cut	39.1	42110 - Planted Red Pine	9	70	171-200	Harvest	Seed Tree	4199 - Other Mixed Upland Deciduous	Cutting Record	No
<u>Prescription</u> Seed Tree with Retention Mark to leave an average of 6 to 8 trees per acre targeting oak and quality red pine stems. Retain 3 to 10% area along the south edge of stand for visual management. Include oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking or oak, red pine, red maple, white pine, scotch pine, and aspen. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
43	63142043-Cut	15.3	42110 - Planted Red Pine	9	69	141-170	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin to a residual BA of 100 to 120. Include Oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking of red pine, white pine, red maple, and red oak. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
50	63142050-Cut	2.7	42110 - Planted Red Pine	9	69	171-200	Harvest	Seed Tree	4319 - Mixed Upland Forest	Cutting Record	No
<u>Prescription</u> Seed TreeCut only red pine. Retain 6 to 8 red pine per acre. No area retention due to small size. Include Oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking of red pine, oak, red maple, aspen, or cherry. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
52	63142052-Cut	7.5	42110 - Planted Red Pine	9	70	201+	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No
<u>Prescription</u> Final Harvest all species 4.5 inches and greater at DBH. Include 3 to 5% area retention. Include Oak wilt spec. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Moderate or better stocking of aspen, red oak, red maple, cherry, red pine, or white pine. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											



Standard

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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58	63142058-Cut	11.0	4131 - Aspen, Oak	6	55	81-110	Harvest	Shelterwood	4121 - Oak, Aspen	Cutting Record	No
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Prescription Crown ThinningCut all species except oak and white pine. Group retention 3 to 10%. Include oak wilt spec and grouse spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of oak, aspen, red maple, beech, white pine, and red pine.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

59	63142059-Cut	9.6	42111 - Planted Red Pine, Mixed Deciduous	6	69	141-170	Harvest	Shelterwood	4319 - Mixed Upland Forest	Cutting Record	No
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Prescription Shelterwood Target residual BA of 30-50 sf/acre. Favor cutting red pine, aspen, and red maple. Thin oak where applicable to reach target BA.

Specs: Include Oak wilt spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of red oak, aspen, white pine, red pine, and red maple.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

61	63142061-Cut	11.7	42110 - Planted Red Pine	6	69	141-170	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Cutting Record	No
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Prescription Shelterwood to a residual BA of 30-50 sf/acre. Only cut red pine, aspen, and red maple. Thin oak where applicable to reach target BA.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of oak, red pine, white pine, red maple, and aspen.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027



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

62 63142062-Cut 23.6 4123 - Red Oak 6 75 81-110 Harvest Shelterwood 4123 - Red Oak Cutting Record No

Prescription ShelterwoodCut all species except white oak and do not cut red oak 13 inches or less at DBH. 3-5 % group retention. Include oak wilt spec.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Moderate or better stocking of white oak, red oak, aspen, black cherry and red maple.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

104 63142104-NF 64.5 622 - Lowland Shrub 99 NonForestMgt Openings Mgmt. 629 - Mixed non-forested Wetland Previous Inventory No

Prescription Water level manipulation as determined by WLD, PRD, and Fish.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Approved Treatments:

109 63142109-Other 0.0 110 - Low Intensity Urban 99 Other Other Treatments - See Comments 123 - Other High Intensity Urban Previous Inventory No

Prescription Installation by Executive division of solar panels to power the Cadillac Customer Service Center.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2027



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
109	63142109- Plant	1.0	110 - Low Intensity Urban	99			Planting	Planting (tree species)	4210 - Planted White Pine		No
<u>Prescription</u> White Pine tree order for the Cadillac Unit. 2 Boxes <u>Specs:</u> <u>Next Step</u> ; ; Planting, Interplant; Planting, Interplant; Planting, Interplant; Planting, Interplant; Planting, Interplant; Planting, Interplant; <u>Treatments:</u> Planting, Interplant; Planting, Interplant <u>Acceptable</u> White pine place holder for small unit projects. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 01/01/2027											
112	63142112- Other	0.1	4211 - Planted Red Pine	0	1	Immatur re	Other	Other Treatments - See Comments	122 - Road/Parking Lot	Previous Inventory	No
<u>Prescription</u> Install gravel parking area for trucks and trailers. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											
112	63142112- Plant	14.4	4211 - Planted Red Pine	0	1	Immatur re	Planting		42110 - Planted Red Pine		No
<u>Prescription</u> Plant to red pine <u>Specs:</u> <u>Next Step</u> Other, Other - Specify; Monitoring, Artificial Regen; Monitoring, Artificial Regen (3yr); Pesticide, Aerial - Site Prep; SitePrep, Other - <u>Treatments:</u> Specify <u>Acceptable</u> Planted Red Pine, with patches of hardwood retention <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2027											

Total Treatment 445.3
Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

2B	5C	2G	3D	3J	5E
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619	495	123	2	Aspen		123					2
29	29	0	0	Cedar							
13	10	0	4	Hemlock				4			
18	18	0	0	Herbaceous Openland							
3	3	0	0	Low-Density Trees							
98	19	0	79	Lowland Conifers			79				
81	81	0	0	Lowland Shrub							
97	59	38	0	Mixed Upland Deciduous	38						
4	4	0	0	Natural Mixed Pines							
97	97	0	0	Northern Hardwood							
618	549	68	1	Oak		68		1			
3	0	0	3	Paper Birch				3			
536	481	6	49	Red Pine		6		49			
21	21	0	0	Tamarack							
26	16	0	10	Upland Mixed Forest					10		
7	7	0	0	Upland Shrub							
4	4	0	0	Urban							
40	40	0	0	Water							
29	29	0	0	White Pine							
2,345	1,963	235	147	Total Forested Acres	38	197	79	56	10		2
	84%	10%	6%	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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available		5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions



2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	61	3D: Recreational/scenic values	Unspecified	Unspecified	Unspecified
Comments: Delay treatment for structural diversity, visual management, and recreational values.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3D: Recreational/scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ben Lachman: Examiner

Compartment: 142
Year of Entry: 2028



8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments: These stands are being utilized by many wildlife species. Hold stand for species diversity in the area.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Cadillac Mgt. Unit
Ben Lachman: Examiner

Compartment: 142
Year of Entry: 2028



14	Available	2B: Unknown if access through adjacent landowner(s) is possible	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3D: Recreational/scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain for visual management along cadillac pathways.							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3D: Recreational/scenic values	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Trail network and trail intersections are dispersed throughout this stand. Maintain for recreation and scenic value.							
18	Unavailable	3D: Recreational/scenic values	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Maintain for recreational trails and scenic value.							
19	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Delay treatment of this stand. Harvest with adjacent aspen stand.							

Report 4 – Site Conditions



20	Available	2I: Survey needed	115	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The actual retention area has changed, due to wind storm fall of 2018. Update with newer imagery.							
26	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: harvest next entry							
77	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	76	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments:							
106	Unavailable	3D: Recreational/scenic values	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is part of the hiking trails behind the Carl T. Johnson Hunting and Fishing center managed by Mitchel State Park.							

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



1

42110 - Planted Red Pine

Sawtimber Well

12.3

70

141-170

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	98	Pole/Log	9	70
White Oak	2	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Trace	< 5 feet	< 5 feet
Red Maple	Low	Variable	Variable
Beech	Trace	< 5 feet	< 5 feet

Planted Red Pine Stand. Stems are heavily suppressed and lack in diameter and height. Last treated in 1988 with Trail Mix. Sale #63-089-98. Row thinning. BA: 160

2

4123 - Red Oak

Sawtimber Medium

12.2

118

51-80

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	95	XLog/Log	20	118
White Oak	5	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace	>20 feet	>20 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
White Pine	High	>20 feet	>20 feet
White Spruce	High	>20 feet	>20 feet

Low density oak stand which was under planted mainly with white spruce. Spruce is 4-6 inches in diameter.

3

42110 - Planted Red Pine

Poletimber Well

5.2

70

141-170

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	85	Pole	7	70
Red Oak	15	XLog/Log	22	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	< 5 feet	< 5 feet
Beech	Low	< 5 feet	< 5 feet
White Pine	Low	< 5 feet	< 5 feet

Planted red pine. Oak overtopping pine in many areas, keeping pine suppressed. Overall pine size is small and quality is low. This is a low quality site to perpetuate red pine.

4

4133 - Aspen, Mixed Pine

Poletimber Well

12.3

57

1-50

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	40	Pole/Sapling	7	57
Red Maple	20	Pole/Sapling	6	
Red Oak	20	Log/Pole	12	
Red Pine	15	Log	14	
White Pine	5	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Bigtooth Aspen	Low	5 - 10 feet	5 - 10 feet
Beech	Trace	< 5 feet	< 5 feet

Stand was treated in 1998 with the sale Trail Mix. Cut all species 6 inches and greater. Stand is composed of red oak, aspen, red maple, and dispersed red and white pine. Pockets of mature aspen but overall aspen is pole size. Delay treatment

5

42111 - Planted Red Pine, Mixed Deciduous

Poletimber Well

14.0

70

171-200

N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	60	Pole	8	70
Red Oak	15	XLog/Log	22	
Bigtooth Aspen	5	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Trace	5 - 10 feet	5 - 10 feet
Beech	Low	5 - 10 feet	5 - 10 feet
Red Oak	Trace	< 5 feet	< 5 feet

Red pine plantation with planted white in some areas with Xlog red oak throughout. Diameters are small at approximately 8 to 9 inches average at dbh. Product will be primarily pulp. Little to no sub canopy other than beach and the occasional red maple both dispersed at low to trace quantities.

6

4211 - Planted Red Pine

Unspecified

50.9

1

Immature

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Trace	< 5 feet	< 5 feet
Red Oak	Trace	< 5 feet	< 5 feet
Black Cherry	Trace	< 5 feet	< 5 feet
Red Pine	High	< 5 feet	< 5 feet

Planted spring of 2024 780 TPASite was sprayed 8/20/2023Final harvested in Spring on 2019. A tree-length perimeter was harvested April 12-15th, and harvest within the stand was permitted during oak wilt restrictions. Monitor oak regeneration for oak wilt. - Notes from Regeneration check 2022- Site was visited in June 2022. Oak regeneration is non-existent to a small trace. Appears that deer browse, frost damage and high spongy moth populations most likely contributed to the lack of oak regeneration from stump sprouts. Red maple and cherry are scattered and in pockets. Overall, the site is not fully stocked. Due to original Rx, Site will be converted to red pine.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
7	4123 - Red Oak	Sawtimber Well	34.1	116	81-110	N/A	Stand is composed of Log to X-log Red Oak with an average BA of 120. The stand was underplanted with white pine in 1961. White pine understory is well stocked and the average DBH is 4 inches (Sub merchantable). Stand was treated in 2003 by Rothig. Consider a seed tree or shelter wood next YOE. OPIC - FMD: Oak stand with underplanted white pine. WP planted in 1961. Stand treated by Rothig in 2003.																																																	
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8	42110 - Planted Red Pine	Poletimber Well	22.1	70	171-200	N/A	Red pine stand thinned in 2001. Stand has varying quality, diameters, and heights. The south side of the road has large diameters and higher basil area averaging 230 to 260. The north side of the road has been third row thinned and diameters are significantly smaller 7 to 8 in and a lower BA averaging 170-180. Overall Average BA is 190. This stand is producing low quality red pine and is not worth perpetuating.																																																	
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9	4112 - Maple, Beech, Cherry Association	Sapling Well	17.6	22	Immature	N/A	Heavy red maple stocking with trace quantities of pola red oak dispersed throughout.																																																	
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10	4121 - Oak, Aspen	Sawtimber Well	220.5	96	81-110	N/A	Rolling terrain. Pockets dominated by bigtooth aspen. Red oak are dispersed well throughout, with components of white oak and red maple. Beech Bark Disease is throughout the stand and areas of heavy beech regeneration are also present. Do not treat Cadillac pathways goes through stand.																																																	
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11	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	8.2	108	1-50	N/A	Low density oak dominated stand with white pine mixed in.																																																	
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MICHIGAN

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																										
12	4119 - Mixed Northern Hardwoods	Sapling Well	5.5	24	Immature	N/A	Stand is compose of aspen and red maple with white pine encroaching on the edge.																																										
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13	4199 - Other Mixed Upland Deciduous	Sawtimber Well	39.6	99	141-170	N/A	Mixed deciduous stand dominated by oak. Pockets heavy to beech with oak. Components of aspen and red maple mixed throughout.																																										
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>45</td><td>XLog/Log</td><td>18</td><td>99</td></tr><tr><td>Beech</td><td>35</td><td>Pole/Log</td><td>8</td><td>70</td></tr><tr><td>Bigtooth Aspen</td><td>15</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Pole</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	45	XLog/Log	18	99	Beech	35	Pole/Log	8	70	Bigtooth Aspen	15	Log/Pole	12		Red Maple	5	Pole	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>High</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Red Oak	Low	5 - 10 feet	5 - 10 feet	Beech	High	5 - 10 feet	5 - 10 feet
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14	622 - Lowland Shrub	None	3.3			No																																											
15	4130 - Aspen	Poletimber Well	20.2	36	81-110	N/A	Stand was final harvested in 1998 with the sale Gunnerson Creek, #62-014-88 (1). Sale spec: final harvest 2 inches or greater.																																										
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16	4131 - Aspen, Oak	Poletimber Well	10.0	61	111-140	N/A	Good quality aspen stand with a component of red oak.																																										
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17	4123 - Red Oak	Sawtimber Well	5.9	80	51-80	N/A	Stand is dominated by red oak with red maple poles dispersed evenly throughout.																																										
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18	500 - Water	None	2.6			No																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
19	42110 - Planted Red Pine	Sawtimber Well	115.3	72	171-200	N/A	Red pine stand with mature oak. Understory is moderate to heavy with red maple, oak and beech. 10-30 basal area of red oak sawtimber remains for seed and mast.																																
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20	4123 - Red Oak	Sawtimber Medium	45.2	118	51-80	N/A	Mature Oak with planted spruce. Oak is super canopy, with spruce reaching canopy height. Spruce was planted in 1961. Treated in 201 with Clam River Oak. Sale Number 63-038-08(1). Harvest all red maple and aspen. Do not harvest pine.																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>65</td><td>XLog/Log</td><td>18</td><td>118</td></tr><tr><td>White Spruce</td><td>35</td><td>Pole/Sapling</td><td>6</td><td>65</td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Oak	65	XLog/Log	18	118	White Spruce	35	Pole/Sapling	6	65	<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Bigtooth Aspen</td><td>Medium</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Quaking Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Bigtooth Aspen	Medium	5 - 10 feet	5 - 10 feet	Red Oak	Low	< 5 feet	< 5 feet	Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
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21	4123 - Red Oak	Sapling Poor	28.9	15	1-50	N/A	Oak seed tree stand with pockets of thick aspen regeneration, stump sprout red maple and seedling size oak scattered throughout. Deer Browse present on maple and oak.Treated in 2010 with Clam River Oak. Sale Number 63-038-08(1). Harvest all red maple and aspen. Mark to cut poor quality oak.																																
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22	4130 - Aspen	Sapling Well	5.3	15	Immature	N/A	Aspen regen stand with a couple big scattered oak.																																
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23	4123 - Red Oak	Sawtimber Medium	14.1	122	1-50	N/A	Seed tree oak stand. Stump sprout red maple and seedling size red oak throughout. Deer browse present on maple and oak. Stand was treat in 2010. Thin Oak, cut red maple and aspen.																																
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24	4130 - Aspen	Sapling Well	9.2	26	Immature	N/A	Stand was final harvested in 2000 with the sale Hawk Eye Aspen. Aspen stand with an average DBH of 4 inches. Red maple dispersed throughout the canopy.																																
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>90</td><td>Sapling/Pole</td><td>4</td><td>26</td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr><tr><td>Red Oak</td><td>5</td><td>Sapling</td><td>2</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age		Quaking Aspen	90	Sapling/Pole	4	26	Red Maple	5	Sapling	2		Red Oak	5	Sapling	2																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																													
25	4123 - Red Oak	Sawtimber Well	8.2	98	1-50	N/A	oak seed tree stand with maple, oak and aspen regenerating.																																													
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28	4123 - Red Oak	Sawtimber Well	12.9	118	1-50	N/A																																														
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29	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	38.9	116	81-110	N/A	Mixed upland stand with white pine, red oak, red maple, and white oak.																																													
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30	4123 - Red Oak	Sawtimber Well	63.2	119	51-80	N/A	Oak shelterwood stand, red maple, aspen and oak regeneration throughout. Red maple is dominating. Scattered trace of white oak in the overstory. Stand was treated in 2010 with Clam River Oak.																																													
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31	4123 - Red Oak	Sawtimber Well	26.3	119	51-80	N/A	Oak stand with advanced red maple understory. Stand BA is closer to 60.																																													
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32	4119 - Mixed Northern Hardwoods	Poletimber Medium	35.5	15	1-50	N/A	red pine was harvested around 2011. Planting was planned but was variencd due to bag growing conditions for red pine. Scattered log size oak and pole size black cherry. A few red oak pockets. Red maple, red oak and jack pine seedlings/saplings present.Overall a very open stand. Good structural diversity, thermal cover for wildlife, and mast source.																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
41	4123 - Red Oak	Sapling Well	7.7	6	1-50	N/A	Stand was harvested in the fall of 2019 with the sale Shootree Mix. Sale number: 63-019-18 (2). Prescription Specs: harvest all aspen and maple. Thin oak to 20 - 40 residual BA.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>89</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Red Maple</td><td>3</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>3</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	89	Sapling	1	6	Red Maple	3	Sapling	1		Bigtooth Aspen	3	Sapling	1		White Pine	5	Sapling	1																			
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42	42110 - Planted Red Pine	Sawtimber Medium	7.8	69	81-110	N/A	Red pine and oak stand with advanced oak and aspen understory. Good age class and diameter distribution. Cadillac Pathway runs through stand. Scenic qualities along pathway.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>75</td><td>Log/Pole</td><td>13</td><td>69</td></tr><tr><td>Red Oak</td><td>15</td><td>XLog/Log</td><td>20</td><td></td></tr><tr><td>White Pine</td><td>7</td><td>Log/Pole</td><td>10</td><td></td></tr><tr><td>Red Maple</td><td>3</td><td>Pole/Sapling</td><td>6</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log/Pole	13	69	Red Oak	15	XLog/Log	20		White Pine	7	Log/Pole	10		Red Maple	3	Pole/Sapling	6		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Medium</td><td>Variable</td><td>Variable</td></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Bigtooth Aspen</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Variable	White Pine	Low	Variable	Variable	Bigtooth Aspen	Medium	Variable	Variable
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43	42110 - Planted Red Pine	Sawtimber Well	15.3	69	141-170	N/A	Planted red pine. Average DBH 10/11 inch. Thin to 110, in addition mark trees around x-log red oaks. Stand was thinned in 2010 with Seeley Red Pine. Sale # 63-044-08-1. Additionally stand was thinned in 1998 with #63-079-98-1.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>95</td><td>Log/Pole</td><td>10</td><td>69</td></tr><tr><td>Red Oak</td><td>3</td><td>XLog/Log</td><td>18</td><td></td></tr><tr><td>Red Maple</td><td>2</td><td>Log</td><td>14</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	95	Log/Pole	10	69	Red Oak	3	XLog/Log	18		Red Maple	2	Log	14		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>White Pine</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	< 5 feet	< 5 feet	White Pine	Low	< 5 feet	< 5 feet	Red Oak	Low	< 5 feet	< 5 feet					
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44	4130 - Aspen	Poletimber Well	31.6	61	81-110	N/A	Aspen stand with varying site quality. Better quality to the north and south thirds of the stand. Large old pine stumps scattered throughout the stand.																																											
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>88</td><td>Pole/Log</td><td>8</td><td>61</td></tr><tr><td>Red Oak</td><td>8</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>Red Maple</td><td>2</td><td>Pole/Sapling</td><td>6</td><td></td></tr><tr><td>Beech</td><td>2</td><td>Pole</td><td>8</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	88	Pole/Log	8	61	Red Oak	8	Log/Pole	12		Red Maple	2	Pole/Sapling	6		Beech	2	Pole	8		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Red Oak</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr><tr><td>Beech</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Low	5 - 10 feet	5 - 10 feet	Red Oak	Low	5 - 10 feet	5 - 10 feet	Beech	Low	Variable	Variable
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45	4117 - Mixed N. Hardwood - Pine	Sapling Medium	35.2	15	Immature	N/A	natural regenerating mixed stand.																																											
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46	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	5.4	70	81-110	N/A	Red Pine stand that serves as retention along the clam river, thinned in 2018.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
47	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	10.1	70	111-140	N/A	Planted red pine with red oak. Basal area of red pine is variable (between 70-170BA). Adjacent to new Cadillac pathways trail.																																				
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49	4130 - Aspen	Sapling Well	20.4	28	Immature	N/A	Pole Aspen stand with a mix or oak and red maple.																																				
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50	42110 - Planted Red Pine	Sawtimber Well	2.7	69	171-200	N/A	Planted red pine.																																				
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51	4199 - Other Mixed Upland Deciduous	Sapling Poor	11.8	16	Immature	N/A	Stand was final harvested in 2009 with the sale Not OK Corral, #63-040-08(1). Sale Spec: Cut all jack pine and cherry, leave Oak and Maple. Young mixed deciduous regeneration with some jack pine seedlings.																																				
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52	42110 - Planted Red Pine	Sawtimber Well	7.5	70	201+	N/A	Planted red pine with advanced red maple and oak regeneration.																																				
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53	42110 - Planted Red Pine	Sawtimber Well	12.7	70	141-170	N/A	Planted red pine with a moderate to heavy understory of mixed deciduous. Stand is an average BA of 150.																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
54	42110 - Planted Red Pine	Poletimber Well	18.1	69	111-140	N/A	Red pine stand with oak dispersed throughout. heavy beech understory. Cadillac pathway trail runs through and an additional trail is being constructed. Stand was thinned (Mark to cut) in 2021 with the sale Commission Mix. Sale number: 63-018-18.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		85	Pole/Log	9	69	Red Maple		Low	Variable	Variable
Red Oak		15	XLog/Log	18		Beech		Medium	5 - 10 feet	5 - 10 feet
						Red Oak		Medium	10 - 20 feet	10 - 20 feet
55	42110 - Planted Red Pine	Sapling Well	102.1	4	Immature	N/A	Red Pine Plantation. Well stocked and free to grow. Scattered single tree Jack pine throughout. Stand was planted in the spring of 2022.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Pine		99	Sapling	1	4					
Jack Pine		1	Sapling	3						Prior to planting the stand was harvested in 2009 during the sale Not OK Corral. #63-040-08-(1)
56	3105 - Mixed Upland Herbaceous	None	5.9			No	Pipeline.			
57	4123 - Red Oak	Sawtimber Poor	20.3	95	51-80	N/A	Stand was harvested in 2021 during the sale Commission Mix. Sale number: 63-018-18. Sale spec: final harvest all species except do not cut white oak, pine, and green marked trees. Stand is currently composed of Red oak and white oak Logs			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		98	Log	13	95	Beech		Low	5 - 10 feet	5 - 10 feet
White Oak		2	Log	11		Red Maple		Medium	5 - 10 feet	5 - 10 feet
						Black Cherry		Low	5 - 10 feet	5 - 10 feet
58	4131 - Aspen, Oak	Poletimber Well	13.2	55	81-110	N/A	Aspen dominated area with a red oak component.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		60	Pole/Log	9	55	Red Maple		Low	5 - 10 feet	5 - 10 feet
Red Oak		35	Log/Pole	11		White Pine		Low	10 - 20 feet	10 - 20 feet
Red Maple		5	Pole/Log	8		Red Oak		Low	5 - 10 feet	5 - 10 feet
59	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	32.4	69	141-170	N/A	Red pine is variable in density, diameters and heights. Stand is dominated by red pine but the quality is lacking. Stand is mixed with x-log red oak, sparce quantities of white oak, and red maple and cherry mixed throughout. The stand does have recreational trail from the Cadillac pathways throughout. Due to low quality of red pine, recreational values, and visual management, treating the stand along the trail corridor is not recommended.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		75	Pole/Log	9	69	White Pine		Low	< 5 feet	< 5 feet
Red Oak		10	Log/XLog	16		Red Oak		Low	5 - 10 feet	5 - 10 feet
Red Maple		8	Pole	7		Beech		Low	5 - 10 feet	5 - 10 feet
Black Cherry		5	Pole	8		Red Maple		Medium	5 - 10 feet	5 - 10 feet
60	4131 - Aspen, Oak	Sapling Well	8.3	25	Immature	N/A	Stand was harvested in 2001. Residual good quality oak trees were left in the previous harvest. Stand is a young aspen oak stand with scattered super canopy oak trees.			
Canopy Species		% Cover	Size Class	DBH	Age					
Bigtooth Aspen		68	Sapling	2	25					
White Oak		2	Sapling/Pole	4						
Red Oak		25	Pole/Log	8						
Red Maple		5	Sapling/Pole	2						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
61	42110 - Planted Red Pine	Poletimber Well	11.7	69	141-170	N/A	Planted red pine stand with areas dominated by oak. Small pocket of nice oak regeneration. Oak and maple regeneration found throughout.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	86	Pole	9	69	White Oak	Low		5 - 10 feet	5 - 10 feet
Red Oak	7	Log/XLog	13		Red Maple	Low		5 - 10 feet	5 - 10 feet
White Oak	7	Log	12		Red Oak	Medium		5 - 10 feet	5 - 10 feet
					Beech	Low		5 - 10 feet	5 - 10 feet
62	4123 - Red Oak	Poletimber Well	24.8	75	81-110	N/A	Overall, this stand is a pole size stand with pockets of nice aspen. Small pockets of mature oak (less than an acre). Extremely variable species composition, along with variable size classes. An oak dominated stand with mixed aspen and poor form, matured red maple. Minimal regeneration		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	35	Pole	8	75	White Oak	Low		5 - 10 feet	5 - 10 feet
Bigtooth Aspen	16	Pole	7		Red Oak	Low		5 - 10 feet	5 - 10 feet
Red Maple	3	Pole	6		Beech	Low		5 - 10 feet	5 - 10 feet
White Oak	5	Log/XLog	17		Red Maple	Low		5 - 10 feet	5 - 10 feet
Black Cherry	3	Pole	7		Black Cherry	Low		5 - 10 feet	5 - 10 feet
Beech	3	Pole/Sapling	5						
Red Oak	35	XLog/Log	18						
63	4123 - Red Oak	Poletimber Well	30.4	71	111-140	N/A		Young oak dominated stand. Scattered large oak found throughout along low quality red maple.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Red Oak	75	Pole	7	71	Beech	Trace	< 5 feet		< 5 feet
Red Maple	15	Pole	6		Red Oak	Medium	5 - 10 feet		5 - 10 feet
Bigtooth Aspen	10	Pole	6		Witch Hazel	Low	5 - 10 feet		5 - 10 feet
					Bigtooth Aspen	Low	5 - 10 feet		5 - 10 feet
					Black Cherry	Low	5 - 10 feet		5 - 10 feet
					Red Maple	Low	5 - 10 feet		5 - 10 feet
64	42110 - Planted Red Pine	Sawtimber Well	16.3	69	111-140	N/A	Stand was thinned in 2021 with the sale Commission Mix, sale number: 63-018-18. Stand was planted in 1957.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	100	Pole/Log	9	69	Beech	Low		5 - 10 feet	5 - 10 feet
					Red Maple	Medium	5 - 10 feet	5 - 10 feet	
65	42110 - Planted Red Pine	Poletimber Well	6.2	65	111-140	N/A	Stand was thinned in the winter of 2018 with the sale Aspen Pond Pine - sale number: 63-010-18. Stand was third row thinned in 2008 with South Briar Mix - 63-036-08.		
Canopy Species	% Cover	Size Class	DBH	Age					
Red Pine	95	Pole/Log	9	65					
					Red Oak	5	Log/Pole	12	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
66	4136 - Aspen, Mixed Conifer	Sapling Well	23.5	14	Immature	N/A	Stand was final harvested in 2008 with the sale South Briar Mix. Sale # 63-036-08-01. Sale Specs: Final harvest all species, except do not cut oak, do not cut white pine 8 inches and less and/or 20 inches and greater in DBH. Do not cut hemlock.																																																			
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67	6120 - Lowland Cedar	Poletimber Well	18.6	124	111-140	N/A	Lowland conifer stand bordering the North Branch of The Pine River.																																																			
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68	500 - Water	None	14.8			No	Two ponds with seasonal water levels.																																																			
69	42110 - Planted Red Pine	Sawtimber Well	4.1	65	111-140	N/A	Stand was thinned in the winter of 2018 with the sale Aspen Pond Pine - sale number: 63-010-18.																																																			
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70	42200 - Natural White Pine	Sawtimber Medium	6.7	77	81-110	N/A	Stand is composed of white pine and red pine log with a components of Red Oak. The subcanopy contains medium stocking levels of advanced white pine, and aspen regeneration. Area is heavily used by wildlife due to mast. Red maple and Aspen were harvested from the stand land entry. Stand was treated in 2008 with the sale South Briar Mix. Sale #63-036-08-01. All red maple and aspen was harvested. Mark to cut white and red pine.																																																			
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71	42200 - Natural White Pine	Sawtimber Well	1.5	84	1-50	N/A	Stand was treated in the winter of 2018 with the sale Aspen Pond Pine, sale number: 63-010-18(1). All aspen and red maple was harvested, and marked log white pine or white pine 4 inches or less was left. The stand is currently dominated by sapling sized aspen with components of red maple and white pine. Super canopy log/x-log tree are present at 20- 30 BA																																																			
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72	4130 - Aspen	Poletimber Well	5.3	52	81-110	N/A																																																				
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73	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	4.6	83	111-140	N/A	Wet stand. Mix of cedar, red maple, and white pine with tag alder and conifer species in the understory.																																																
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74	42110 - Planted Red Pine	Poletimber Well	6.0	65	141-170	N/A	Stand was thinned in the winter of 2018 with the sale Aspen Pond Pine - sale number: 63-010-18. Stand borders 481/2 road which is maintained as a snowmobile trail in the winter months. Stand was third row thinned in 2008 with the sale south briar mix - 63-036-08-1.																																																
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Pine</td><td>100</td><td>Pole/Log</td><td>8</td><td>65</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	100	Pole/Log	8	65			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Beech</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	Beech	Low	< 5 feet	< 5 feet																																
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75	42210 - Natural Red Pine	Sawtimber Medium	3.2	99	111-140	N/A	Stand was treated in 2013 with the sale Cherry Grove Red Pine. 63-052-09 (1). Sale Spec: Thin red pine, final harvest red maple, aspen, balsam fir.																																																
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76	4130 - Aspen	Sapling Well	28.4	7	Immature	N/A	Stand was harvested in the fall of 2019 with the sale Lazy Boy Aspen, sale number: 63-009-18(1): final harvest of all species, except leave white pine 26 inches and more in DBH.																																																
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77	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	50.4	113	51-80	N/A	Mixed lowland conifer swamp complex																																																
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Sub-Canopy Species	Density	Avg. Height	Size																																																				
Bigtooth Aspen	Medium	< 5 feet	< 5 feet																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																									
79	4311 - Pine, Aspen Mix	Poletimber Medium	12.7	38	1-50	N/A	Old opening filling in with aspen, white pine and jack pine. Low stocking.																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Quaking Aspen</td><td>39</td><td>Pole/Sapling</td><td>6</td><td>38</td></tr><tr><td>Jack Pine</td><td>11</td><td>Pole/Sapling</td><td>5</td><td></td></tr><tr><td>White Pine</td><td>25</td><td>Pole</td><td>9</td><td></td></tr><tr><td>Red Pine</td><td>15</td><td>Log/Pole</td><td>12</td><td></td></tr><tr><td>Red Oak</td><td>10</td><td>XLog/Log</td><td>18</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Quaking Aspen	39	Pole/Sapling	6	38	Jack Pine	11	Pole/Sapling	5		White Pine	25	Pole	9		Red Pine	15	Log/Pole	12		Red Oak	10	XLog/Log	18		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>< 5 feet</td><td>< 5 feet</td></tr><tr><td>Bigtooth Aspen</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>			Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	< 5 feet	< 5 feet	Bigtooth Aspen	Low	5 - 10 feet	5 - 10 feet
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80	42200 - Natural White Pine	Sawtimber Well	7.9	77	141-170	N/A	white pine dominated stand with red pine present.																																									
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81	4130 - Aspen	Sapling Well	9.6	7	Immature	N/A	Stand was harvested in the fall of 2019 with the sale Lazy Boy Aspen, sale number: 63-009-18(1): final harvest of all species, except leave white pine 26 inches and more in DBH.																																									
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82	4112 - Maple, Beech, Cherry Association	Sapling Well	3.1	5	Immature	N/A	Final Harvested in 2021 with the sale Commission Mix - sale number: 63-018-18. Final harvest all species, except do not cut white oak or pine.																																									
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Red Maple	70	Sapling	1	5																																												
Black Cherry	5	Sapling	2	5																																												
Beech	15	Sapling	1	5																																												
83	4130 - Aspen	Sapling Well	6.1	7	Immature	N/A	Stand was harvested in the fall of 2019 with the sale Shoetree Mix. Sale number: 63-019-18 (2). Sale Specs: Final harvest all species except do not cut white pine greater than 20 inches or any white oak.																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>80</td><td>Sapling</td><td>2</td><td>7</td></tr><tr><td>Red Oak</td><td>8</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>2</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Beech</td><td>2</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>White Pine</td><td>5</td><td>XLog/Log</td><td>21</td><td></td></tr><tr><td>White Oak</td><td>3</td><td>XLog/Log</td><td>20</td><td></td></tr></table>			Canopy Species	% Cover	Size Class	DBH		Age	Bigtooth Aspen	80	Sapling	2	7	Red Oak	8	Sapling	1		Red Maple	2	Sapling	1		Beech	2	Sapling	1		White Pine	5	XLog/Log	21		White Oak	3	XLog/Log	20											
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White Pine	5	XLog/Log	21																																													
White Oak	3	XLog/Log	20																																													
84	3105 - Mixed Upland Herbaceous	None	1.2			No	Utility ROW Opening.																																									



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
85	4130 - Aspen	Sapling Well	13.4	13	Immature	N/A	Stand was treated in 2013, with the sale Go Green Aspen. Sale # 63-051-09 (1). Sale Spec: Cut all species 2 inches and greater, except do not cut oak, hemlock, cedar.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		15	Sapling	1						
Bigtooth Aspen		80	Sapling	1	13					
White Pine		5	Log/Pole	12						
86	4130 - Aspen	Sapling Well	5.2	8	Immature	N/A	Stand was final harvested in the fall/winter of 2018 during the salvage sale: Bridge Salvage - sale number 63-101-18. Salvage was required due to a large wind event. Sale Specs: cut all trees 2 inch at DBH or more, except do not cut white pine under 4 inches at DBH			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		80	Sapling	2	8	White Pine		Low	< 5 feet	< 5 feet
Red Oak		5	Sapling	2						
Red Maple		15	Sapling	2						
87	42200 - Natural White Pine	Sawtimber Well	2.9	95	111-140	N/A	Aspen regeneration with scattered log white pine. Stand was treated in 2013 with the sale Go Green Aspen. Sale Specs: mark to cut (thinning), harvest all aspen, red maple,, and balsam fir.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Log/Pole	10	13	White Pine		Medium	5 - 10 feet	5 - 10 feet
Hemlock		5	Pole	5		Bigtooth Aspen		Medium	< 5 feet	< 5 feet
Northern White Cedar		5	Pole	7						
White Pine		80	Log/XLog	17	95					
88	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	15.2	96	81-110	N/A	Mixed Lowland stand with some upland components.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		30	XLog/Log	18	87	Balsam Fir		Low	< 5 feet	< 5 feet
Hemlock		15	Log/XLog	14		Tag Alder		Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar		45	Pole/Log	8	96					
Balsam Fir		5	Pole/Sapling	6						
Red Maple		5	Pole/Log/Sap	7						
89	42290 - Natural Mixed Pine	Sawtimber Well	4.3	103	111-140	N/A	Southern portion of stand is dominated by red pine. Northern portion is dominated by white pine. Delay Treatment and thin when harvesting adjacent aspen to the North East.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		15	Pole/Log	8		Balsam Fir		Low	< 5 feet	< 5 feet
Quaking Aspen		2	Log/Pole	10		White Pine		Low	5 - 10 feet	5 - 10 feet
White Pine		40	Log/XLog	14	103					
Red Pine		40	Log/XLog	16	103					
Bigtooth Aspen		3	Log/Pole	10						
90	4130 - Aspen	Sapling Well	51.5	24	Immature	N/A	Stand was final harvested in 2002 with the sale Go Blue Aspen. 63-059-99-1. Few oaks left for seed and mast.			
Canopy Species		% Cover	Size Class	DBH	Age					
Bigtooth Aspen		85	Sapling	4	24					
Red Oak		5	XLog/Log	18						
Red Maple		10	Sapling	3						



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
99	42210 - Natural Red Pine	Sawtimber Well	5.0	101	51-80	N/A	Stand has significant wind damage. 60 BA average. Stand was treated in 2012 with the sale Cherry Grove Red Pine. Mark to cut thinning.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		98	XLog/Log	18	101	Red Maple		Medium	< 5 feet	< 5 feet
White Pine		2	XLog/Log	20		Balsam Fir		Low	< 5 feet	< 5 feet
						White Pine		Trace	< 5 feet	< 5 feet
100	6121 - Tamarack	Poletimber Medium	21.3	93	1-50	N/A	Low wet stand dominated by tamarack with black spruce and cedar. Low stem density.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		20	Pole/Sapling	6		Tag Alder		Full	5 - 10 feet	5 - 10 feet
Northern White Cedar		5	Pole/Sapling	6						
Tamarack		75	Pole/Sapling	7	93					
101	4130 - Aspen	Poletimber Well	5.9	36	81-110	N/A	Upland aspen clone with balsam fir in the understory around the edges, and scattered throughout.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		97	Pole/Sapling	6	36	White Pine		Low	10 - 20 feet	10 - 20 feet
Balsam Fir		3	Pole/Sapling	5		Balsam Fir		Medium	5 - 10 feet	5 - 10 feet
102	4319 - Mixed Upland Forest	Poletimber Medium	3.2	36	1-50	N/A	Low stocked mixed stand.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		28	Sapling/Pole	4	36					
Bigtooth Aspen		30	Pole/Sapling	5	36					
White Pine		30	Pole	8	36					
Balsam Fir		12	Sapling/Pole	4	36					
103	4130 - Aspen	Sapling Well	5.3	8	Immature	N/A	Stand was final harvested in the fall/winter of 2018 during the salvage sale: Bridge Salvage - sale number 63-101-18. Salvage was required due to a large wind event. Sale Specs: cut all trees 2 inch at DBH or more, except do not cut white pine under 4 inches at DBH.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		90	Sapling	2	8	Balsam Fir		Low	Variable	Variable
Red Maple		4	Sapling	1		Red Oak		Low	< 5 feet	< 5 feet
Red Oak		4	Sapling	1		Red Maple		Low	< 5 feet	< 5 feet
White Pine		2	Sapling	4		White Pine		Low	5 - 10 feet	5 - 10 feet
						Beech		Low	< 5 feet	< 5 feet
104	622 - Lowland Shrub	None	64.5			No				
						Sub-Canopy Species	Density	Avg. Height	Size	
						Willow spp.	Low	5 - 10 feet	5 - 10 feet	
						Tag Alder	High	5 - 10 feet	5 - 10 feet	
105	3105 - Mixed Upland Herbaceous	None	2.1			No	Power Line ROW			
106	42350 - Upland Hemlock	Sawtimber Well	3.7	95	141-170	N/A	Hemlock stand within the cadillac nature heritage study area.			



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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
107	4140 - Other Upland Deciduous	Poletimber Well	2.6	80	81-110	N/A	Small Lookout.																																														
108	412 - Oak Types	Sawtimber Well	2.2	145	81-110	N/A																																															
109	110 - Low Intensity Urban	None	4.3			No	Cadillac CSC grounds.																																														
110	4319 - Mixed Upland Forest	Poletimber Well	10.3	61	81-110	N/A	Stand is dominated by aspen with heavier components of balsam fir and white pine.																																														
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112	4211 - Planted Red Pine	Unspecified	14.5	1	Immature		Harvested in 2024 with Cadillac CSC Mix; sale number 63-001-23(1). Sale specs: cut all trees and shrubs (1) inch or more in DBH. except trees marked in pink paint.Site prep spray with Drone 07/21/2025.																																														
113	4130 - Aspen	Poletimber Well	20.2	61	111-140	N/A	Aspen stand with components of oak and red maple. Harvest next YOE.																																														
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114	320 - Upland Shrub	None	7.2			No	Mixed deciduous stand, primarily of red maple and cherry. Understory consisting of beech, red maple, and white pine with a heavy presence of non-native bush honeysuckle.																																														
116	4130 - Aspen	Sapling Well	97.1	7	Immature	N/A	Stand was harvested in 2019 with sales Curve Salvage; sale number: 63-100-18 and Lazy Boy Aspen; sale number: 63-009-18. Final harvest, except don't cut white pine greater than 26 inches or greater. Additional acres were added for salvage wind damaged areas on the north west private line.																																														
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117	4130 - Aspen	Sapling Well	19.4	6	Immature	N/A	Stand was final harvested with the sale Shoetree Mix 63-019-18 in 2019. Good regeneration present.																														
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119	4130 - Aspen	Sapling Well	6.4	6	Immature	N/A	Stand was final harvested in the spring of 2021 with the sale Shoetree Mix. Sale number: 63-019-18(2). Sale Specs: Final harvest, except do not cut white pine over 20 inches, or any white oak.																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>10</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>83</td><td>Sapling</td><td>1</td><td>6</td></tr><tr><td>Beech</td><td>2</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>3</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>White Oak</td><td>2</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	10	Sapling	1		Bigtooth Aspen	83	Sapling	1	6	Beech	2	Sapling	1		Red Maple	3	Sapling	1		White Oak	2	Sapling	1	
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Red Maple	3	Sapling	1																																		
White Oak	2	Sapling	1																																		
120	4130 - Aspen	Sapling Well	15.7	5	Immature	N/A	Stand was final harvested in the spring of 2021 with the sale Shoetree Mix. Sale number: 63-019-18 (2). Sale specs: Final harvest all species except do not cut White Pine over 20 inches and do not cut any white oak.																														
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121	4130 - Aspen	Sapling Poor	3.4	5	Immature	N/A	Final Harvested in 2021 with the sale Commission Mix. Sale number: 63-018-18. Rolling terrain. Pockets dominated by bigtooth aspen. Beech Bark Disease throughout stand. May want to think about treating stand in areas that are heavy to beech and aspen. Cadillac pathways goes through stand. LOOK FOR SIGNS OF OAK WILT.																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Bigtooth Aspen</td><td>90</td><td>Sapling</td><td>1</td><td>5</td></tr><tr><td>Black Cherry</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr><tr><td>Red Maple</td><td>5</td><td>Sapling</td><td>1</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Bigtooth Aspen	90	Sapling	1	5	Black Cherry	5	Sapling	1		Red Maple	5	Sapling	1											
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Red Maple	5	Sapling	1																																		
155	4124 - Red with White Oak	Poletimber Medium	7.3	98	51-80	N/A	Pocket of oak west of pipeline. Some scattered sawlog sized oak and some red pine pole timber. Contains trails from Cadillac Pathways.																														
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>65</td><td>Log/XLog</td><td>14</td><td>98</td></tr><tr><td>White Oak</td><td>20</td><td>Log/XLog</td><td>13</td><td></td></tr><tr><td>Red Maple</td><td>10</td><td>Pole/Log</td><td>9</td><td></td></tr><tr><td>Red Pine</td><td>5</td><td>Pole</td><td>9</td><td></td></tr></table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	65	Log/XLog	14	98	White Oak	20	Log/XLog	13		Red Maple	10	Pole/Log	9		Red Pine	5	Pole	9						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
166	4130 - Aspen	Sapling Well	32.0	8	Immature	N/A	Stand was harvested in the winter of 2018 with the sale Aspen Pond Pine - sale number: 63-010-18. Sale Specs: final harvest, do not cut white oak, balsam fir, any green marked tree. Stand is currently regenerating well back to aspen and red maple. There is occasional deer browsing. Retentions islands of oak, pine, aspen, and maple are heavily utilized by wildlife. Balsam and white pine is present in pole/sapling sizes.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		80	Sapling	2	8	Bracken Fern		Medium	Not Applicable	
Red Maple		5	Sapling	1						
Red Oak		3	XLog/Log	18						
Balsam Fir		5	Pole/Sapling	7						
White Pine		7	Pole	7						
168	6229 - Mixed Lowland Shrub	None	5.5			No	Tag alder surrounding pond.			
172	4130 - Aspen	Sapling Well	17.3	14	Immature	N/A	Stand was final harvested in 2008 with the sale South Briar Mix. Sale # 63-036-08-1. Sale Spec: Cut all species, do not harvest white pine greater than 20 and smaller than 8 in dbh. Do not cut oak.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		75	Sapling	2	14	Red Maple		Medium	5 - 10 feet	
Red Maple		10	Log/Pole	10		Red Oak		Low	5 - 10 feet	
Red Oak		10	Log	12						
White Pine		5	Pole/Sap/Log	8						
176	4130 - Aspen	Sapling Well	28.1	13	Immature	N/A	Stand was treated in 2013 during the sale Go Green Aspen. Sale # 63-051-09 (1). Sale specs, final harvest aspen, do not cut oak, red pine or white pine 8 inches.			
Canopy Species		% Cover	Size Class	DBH	Age					
Red Oak		5	Log	14						
Red Maple		35	Sapling	1	13					
Bigtooth Aspen		60	Sapling	1	13					
177	6127 - Lowland Pine	Poletimber Well	3.9	113	81-110	N/A	Large diameter white pine with a mixed conifer understory. Stand transitions into a cedar dominated lowland to the north.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		70	XLog	34	113	Black Spruce		Medium	Variable	
Northern White Cedar		20	Pole/Log	8		White Pine		High	Variable	
Red Maple		10	Pole/Log	8		Balsam Fir		High	Variable	
255	4123 - Red Oak	Sawtimber Well	95.5	91	81-110	N/A	Stand was harvested in 2004 during the sale Timber Ridge Oak. Harvest consisted of oak selection and the removal of aspen. Stand is composted of larger oak with sufficient spacing. BA hit around 80-90, depending on where it was taken. Canopy closure is closer to 75%.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		90	Log	14	91	Red Maple		Low	10 - 20 feet	
White Oak		7	Log/Pole	13		Red Oak		Low	10 - 20 feet	
Beech		3	Log/Pole	11		Beech		Low	5 - 10 feet	
401	330 - Low-Density Trees	None	3.3			No	Small opening that was used as a landing in the past.			