



Compartment Review Presentation

Baraga Forest Management Unit

Compartment 11058

Entry Year 2023

Acreage: 627

County Houghton

Management Area: Keweenaw

Stand Examiner: Brad Carlson

Legal Description:

T53N, R33W, Sections 1, 2 and 12.

T55N, R32W, Sections 19, 20, 29 and 31.

T55N, R33W, Sections 8.

Identified Planning Goals:

Central Keweenaw.

This compartment is a loose collection of small state owned parcels. The majority of this land is managed for recreational purposes and water protection.

Soil and topography:

The terrain is primarily level with a few hills along historic beach lines. Soils are Trimountain-Paavola-Waiska, Munising-Abbaye-Kalkaska complex, Dawson and Loxley peats, Tawas-Roscommon muck, Gay muck, AuGres-Roscommon complex and Skanee-Gay complex.

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

The majority of the adjacent lands are owned by small private individuals. There are many year-round homes adjacent to state land.

Unique Natural Features:

Great Lakes Marsh is located in the compartment.

Archeological, Historical, and Cultural Features:

The Torch Lake Shipping Canal and the Portage Lake Shipping Canal were developed to ship copper out of the Keweenaw both border this compartment.

Special Management Designations or Considerations:

Boston Pond is a designated water access site. Fish Division maintains the dam.

Watershed and Fisheries Considerations:

Boston Pond Dam is maintained by Fish Division.

Wildlife Habitat Considerations:

Deer migrating to and from traditional deeryards on the eastern side of the Keweenaw to the spine of the Keweenaw use this compartment as a travel corridor.

Mineral Resource and Development Concerns and/or Restrictions

There is no known mineral activity in the area of the parcels in T53N-R33W and those around Torch Lake, and the parcels have limited mineral potential. The parcels in Sec 8 are in the middle of the Keweenaw Copper Range. Numerous abandoned copper mines are in the area, and most of the easily accessible copper has been mined out of this region. However, there may still be some remaining potential. There has been no recent mineral leasing activity in this area, and there is no known interest. Mine waste rock in the region has been used as a source of construction aggregate, and glacial drift is actively being mined for aggregate west of the compartment. However, there does not appear to be much surface mining potential within the compartment. There is no potential for economic oil and gas production in the UP. The state does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

Vehicle access to the Boston Pond is good. Access the rest of the compartment is poor.

Survey Needs:

Some survey work will need to be done for timber harvest activities.

Recreational Facilities and Opportunities:

The Hancock to Calumet Rail-Trail crosses the Boston Pond parcel. There are canoe campsites on the Torch Lake cuts in Section 19 and on the Portage River in Section 12.

Fire Protection:

This is not a fire prone area.

Additional Compartment Information:

The following reports from the Inventory are attached:

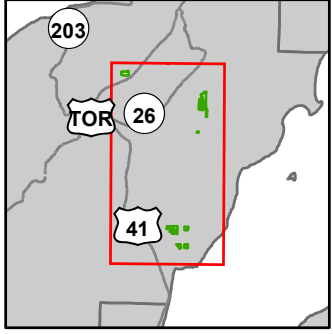
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

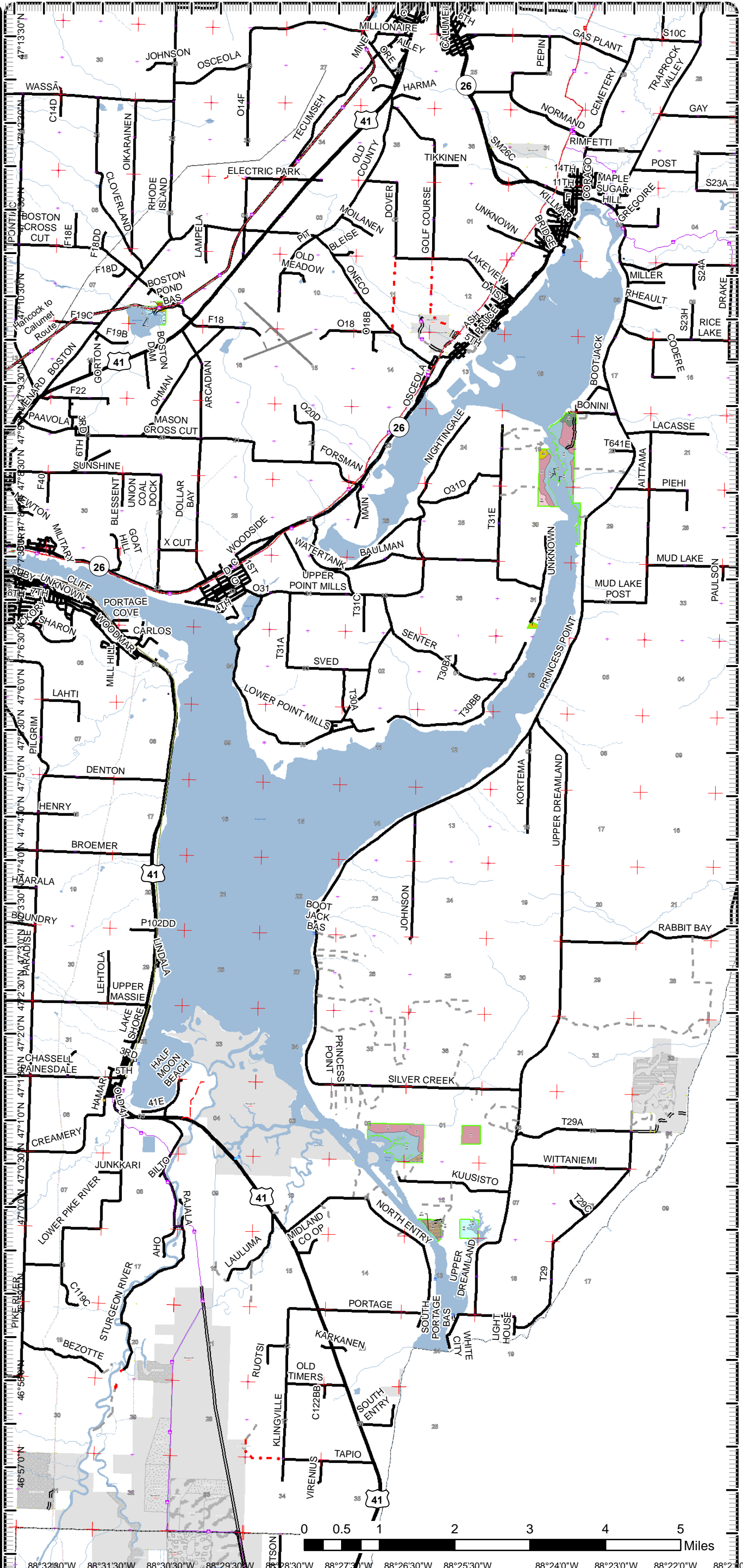
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 58
 T55N, R33W, Sec. 8
 T55N, R32W, Sec. 19, 29, 30
 County: Houghton
 Unit: Baraga
 Mgmt Area: Keweenaw
 YOE: 2023
 Acres: 627.3 GIS Calculated
 Examiner: Brad Carlson
 Map Revised: 9/20/2023
 Map Phase: Post Review



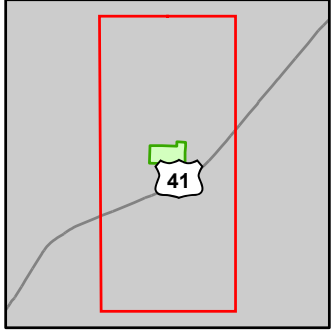
- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated ORV Route
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- Designated RailTrail
- Non-Designated RailTrail
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Toilet
- Structure, Seasonal Dwelling
- + Airport
- Gate
- Boating Access Site
- Bridges
- Culvert
- Campground
- City
- Fishing Access Site
- Parking Lot
- Sign
- Pipeline
- Powerline
- Unspecified
- Fence
- Airports
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Regeneration Survey
- Opening Maintenance
- 411 - Northern Hardwood
- 412 - Oak Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil



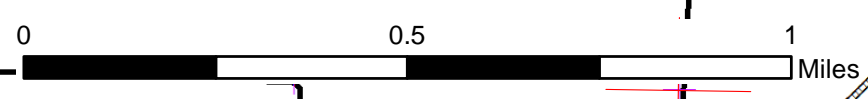
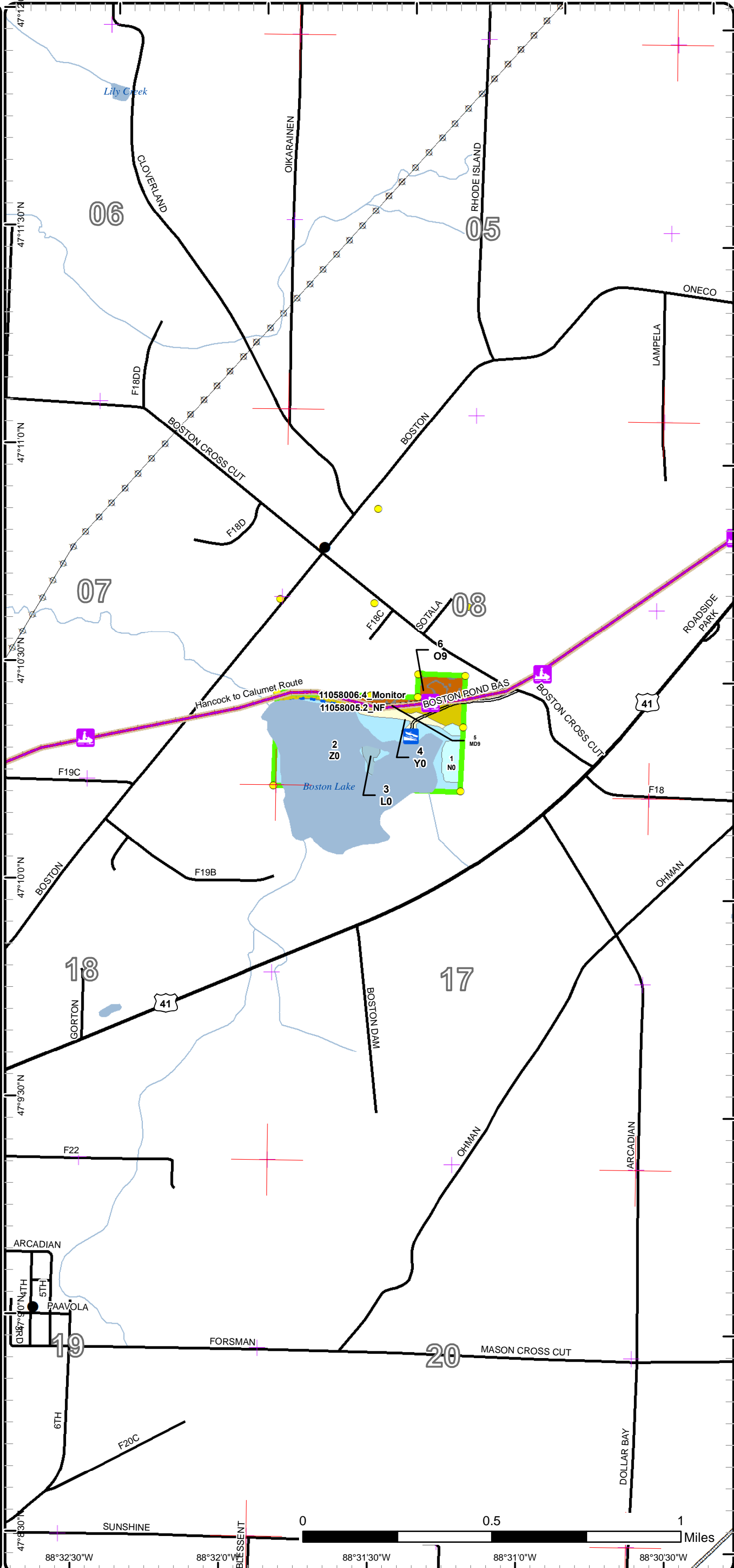
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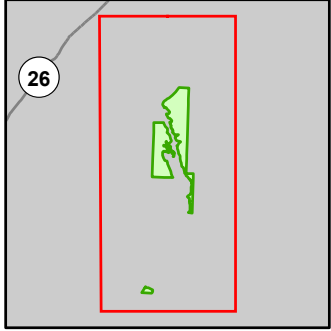
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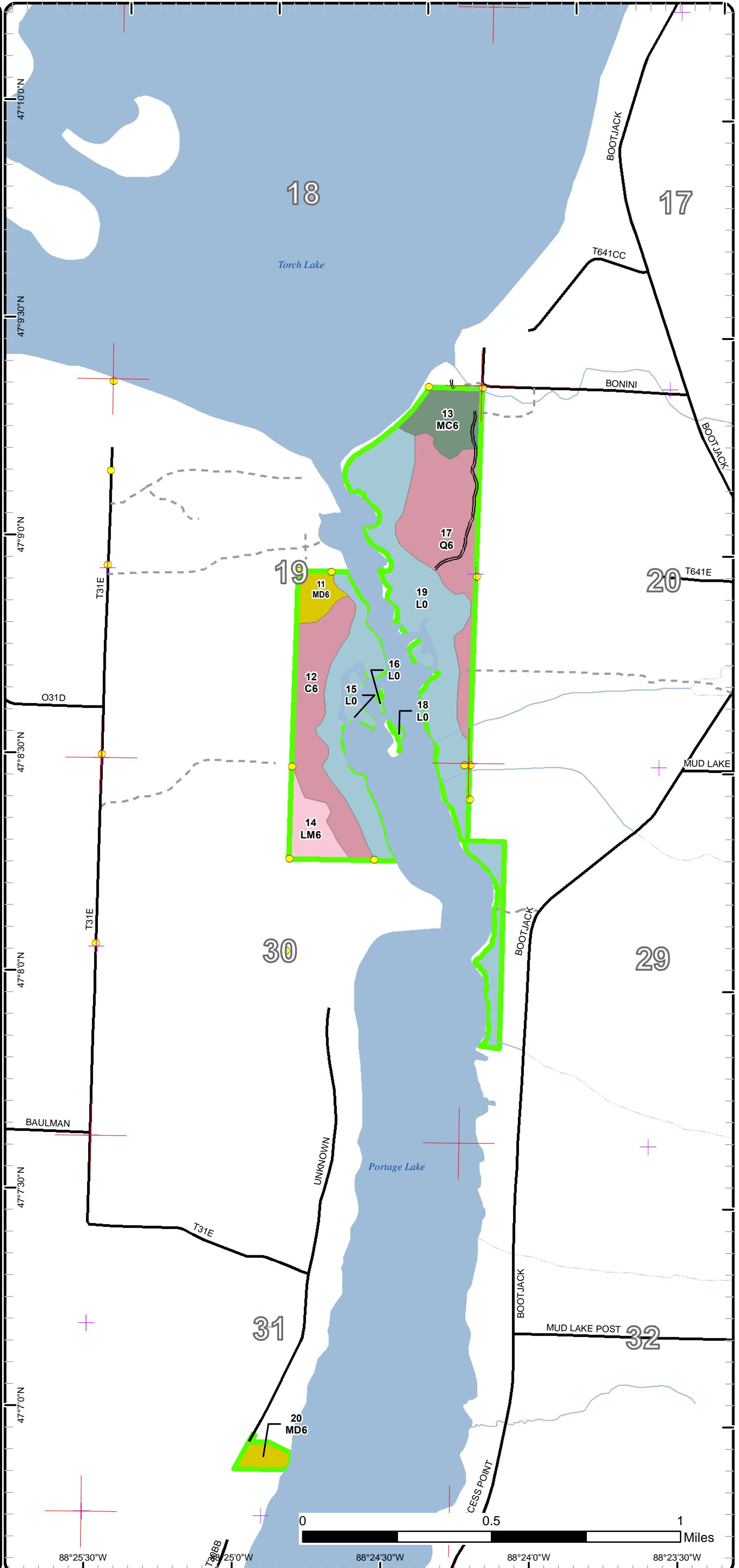
47°30'N 88°32'30"W 88°32'0"W 88°31'30"W 88°31'0"W 88°30'30"W

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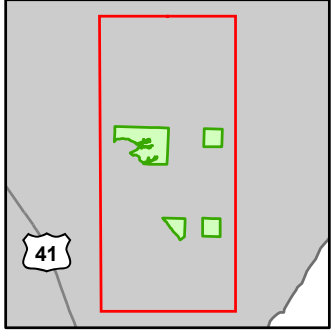


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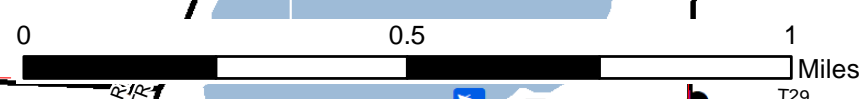
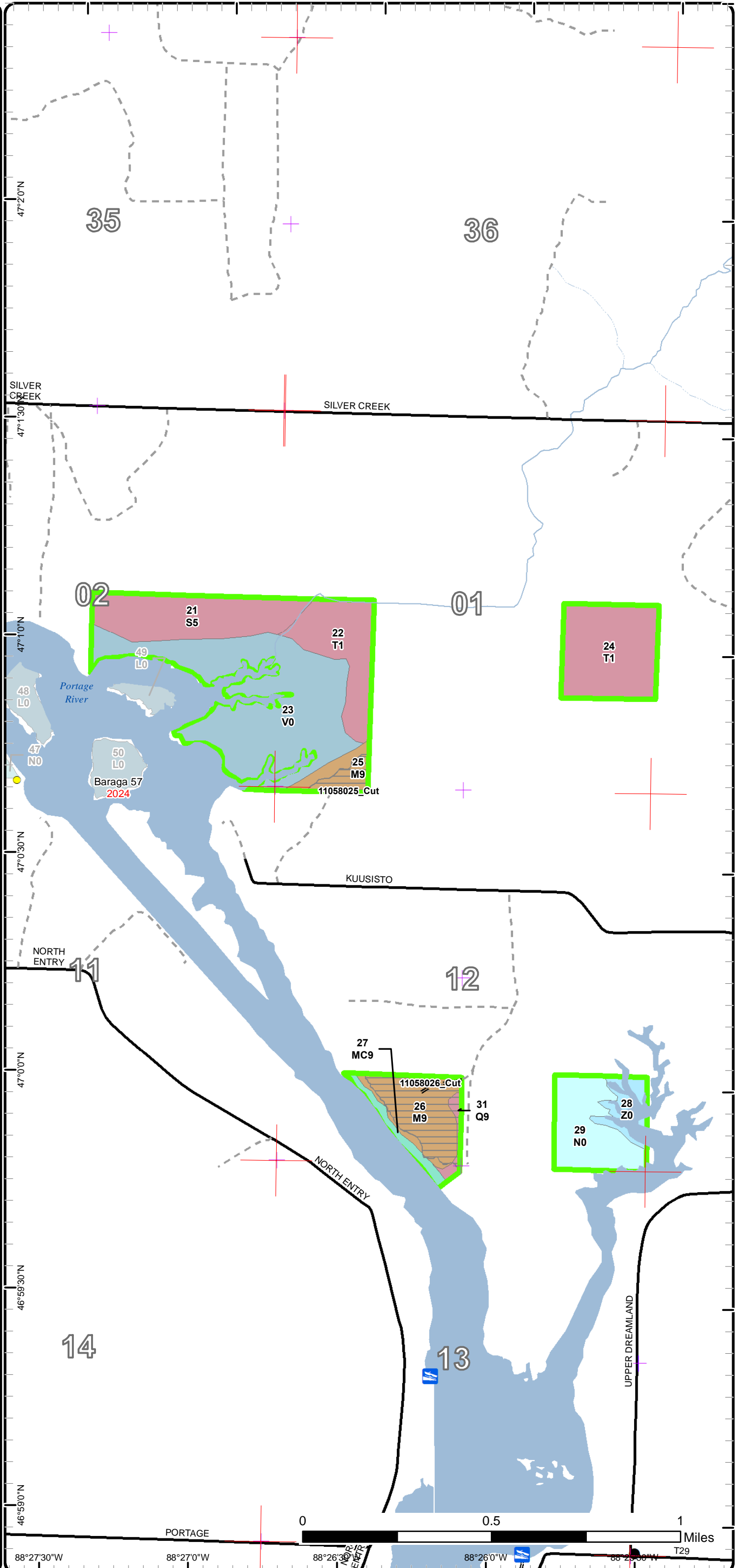


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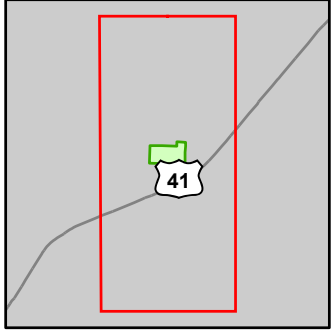
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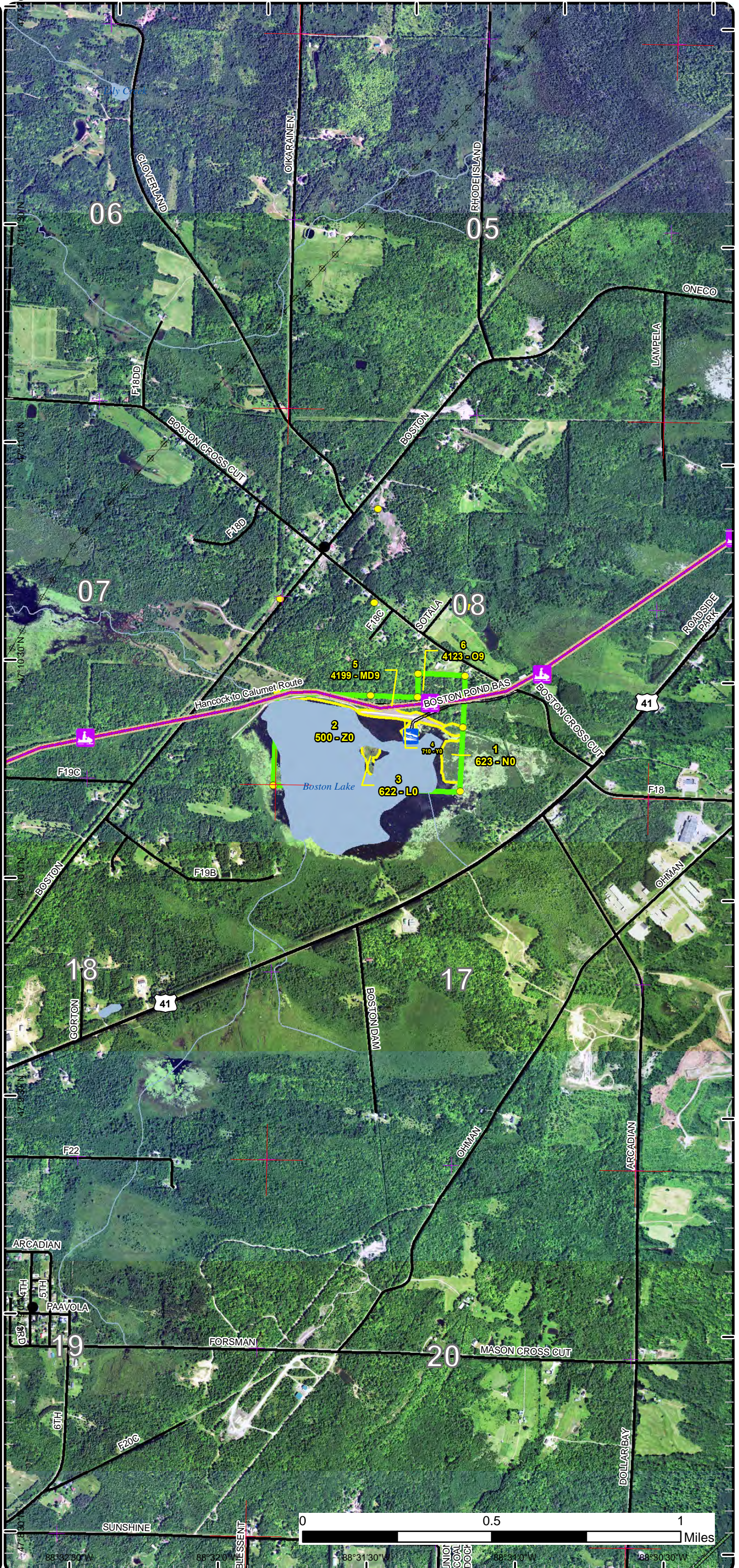
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 88°27'30"W 88°27'0"W 88°26'30"W 88°26'0"W 88°25'30"W
 46°59'00"N 46°59'30"N 47°00'0"N 47°03'0"N 47°10'0"N 47°20'0"N

Stand Boundary Map

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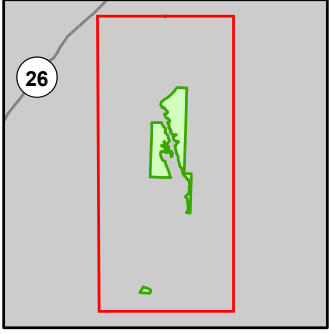


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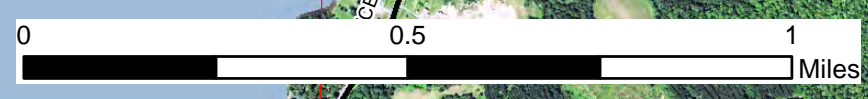
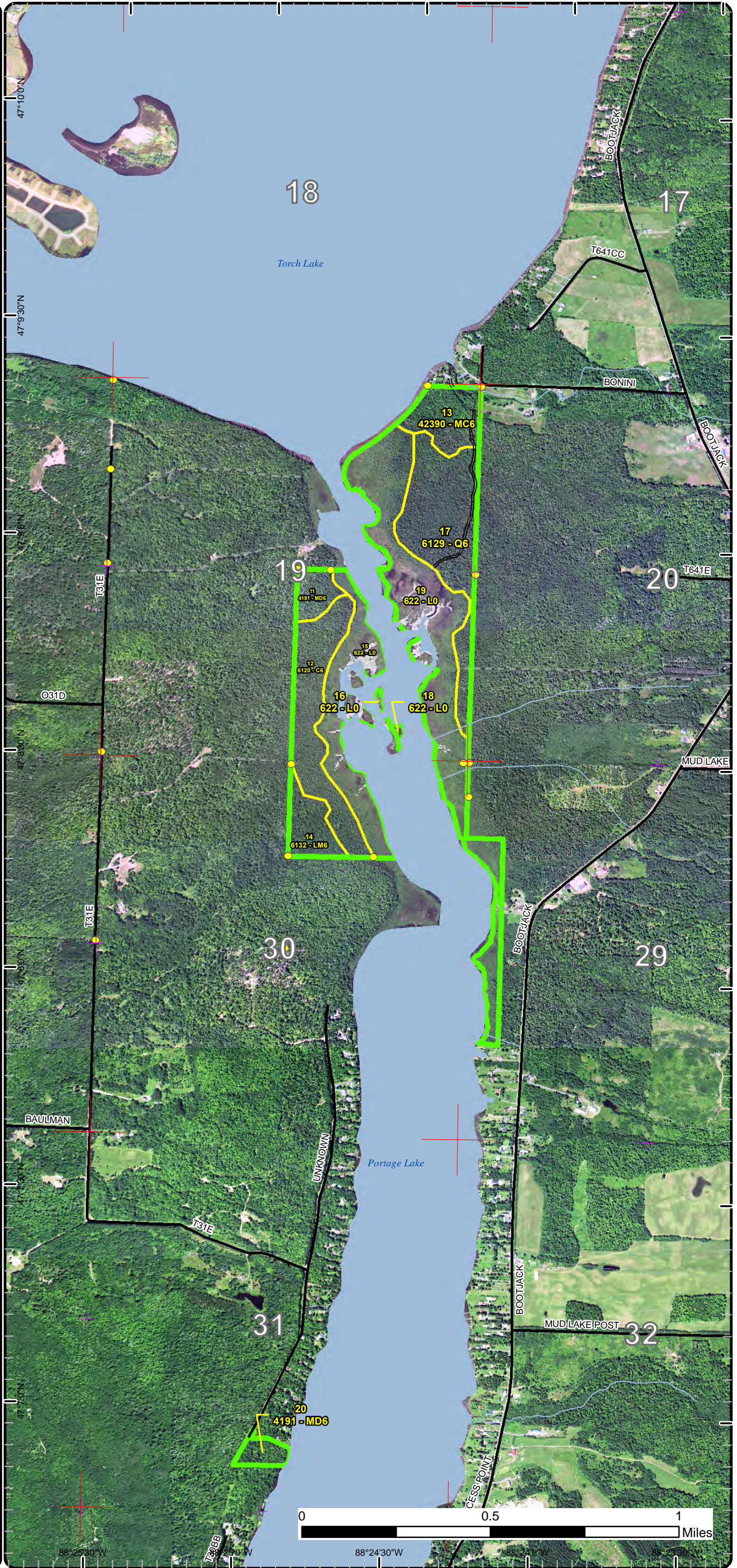


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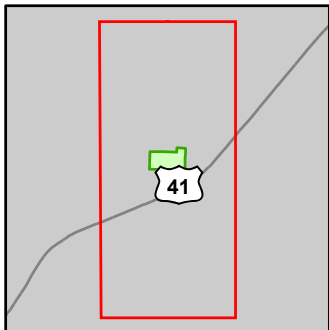
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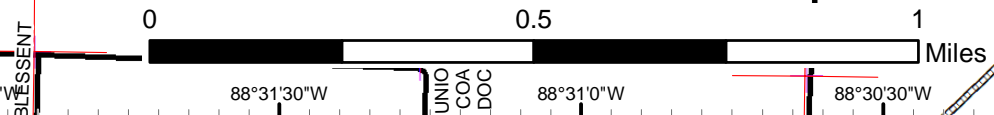
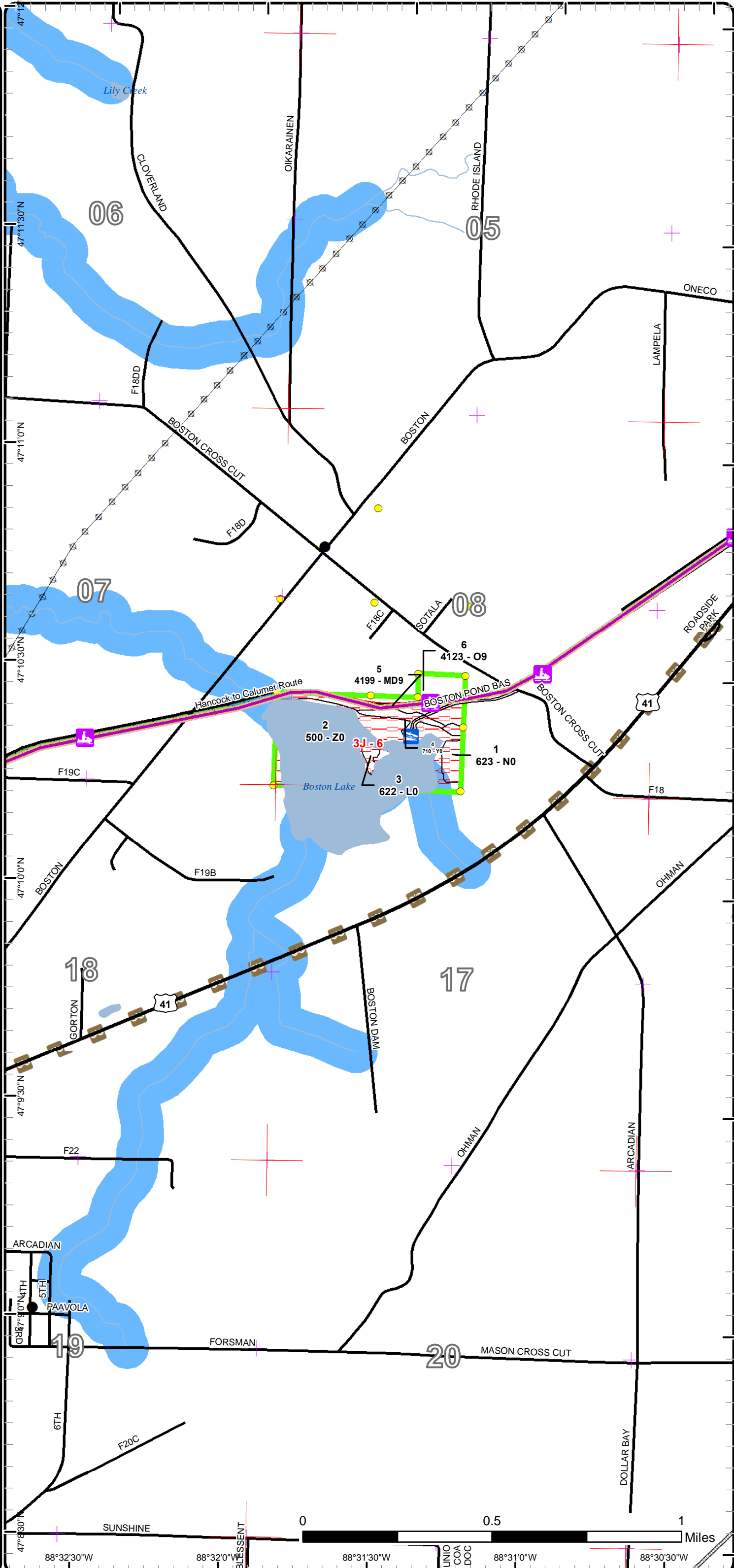
88°25'30"W 88°24'30"W 88°23'30"W

Special Conservation Areas

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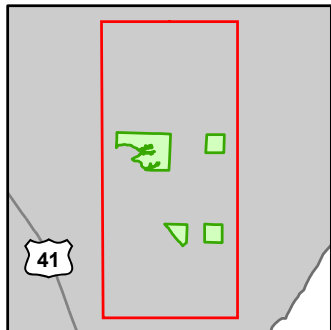


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- City
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- Compartment Boundary
- Unavailable
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- State Heritage Routes-Scenic (MDOT Designation)
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Trail - Trail Corridor

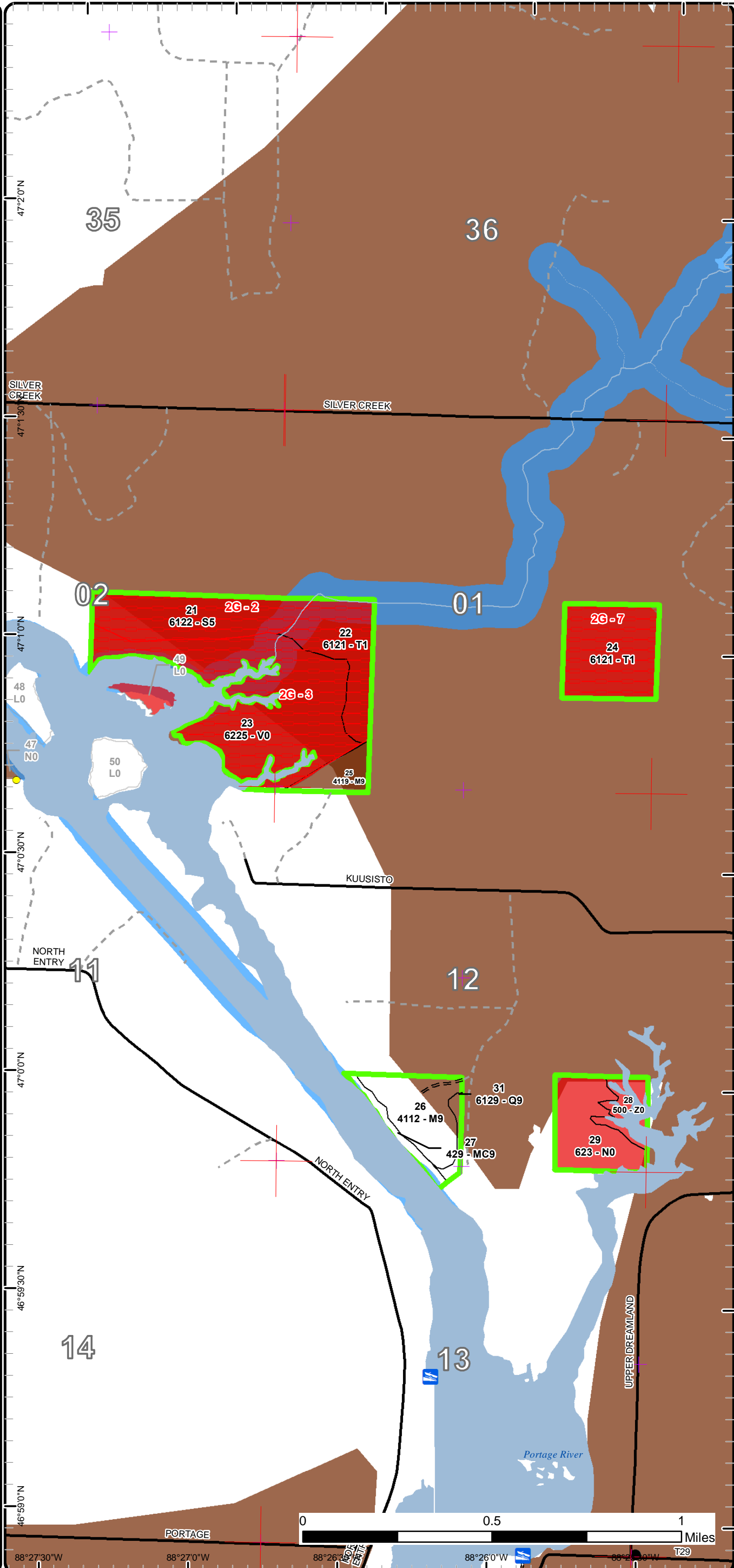


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- City
- Compartment Boundary
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- Stand Boundaries
- Ecological Reference Areas
- High Priority Trout Stream Buffer
- Deer Winter Range
- Wildlife Management Areas



88°27'30"W 88°27'0"W 88°26'30"W 88°26'0"W 88°25'30"W

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
Bog	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	92
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	38
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	53
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13
Lowland Shrub	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	0	0	38
Marsh	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	14	23
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36	36
Oak	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Sand, Soil	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	0	69	0	0	0	0	69
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24
Water	68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Total	327	0	0	0	0	0	0	0	17	0	0	0	39	69	0	0	0	178	628



Report 2 – Treatment Summary

Baraga Mgt. Unit

Compartment 58

Year of Entry: 2023

Acres of Harvest

Total Compartment Acres: 627

Commercial Harvest - 31
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

		Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood		31	0	0	0	0	0	0	0	0	31
	Total	31	0	0	0	0	0	0	0	0	31

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		31	0	0	0	0	0	7	0	3	40
Next Step		0	0	0	0	0	0	31	0	0	31
	Total	31	0	0	0	0	0	38	0	3	71



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

5	11058005.2_N F	2.6	4199 - Other Mixed Upland Deciduous	Sawtimber Well	77	81-110	NonForestMgt	Brush Cutting	3102 - Grass		No
<p><u>Prescription</u> Brushing and herbicide application to maintain the dam impoundment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> grasses</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: repeat annually.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> BMPs</p> <p><u>Proposed Start Date:</u> 1 /15/2016</p>											
6	11058006.4_M onitor	6.9	4123 - Red Oak	Sawtimber Well	79	1-50	Monitoring	Natural Regen (Re-Inventory)	4123 - Red Oak	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the present over story species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
25	11058025_Cut	5.7	4119 - Mixed Northern Hardwoods	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription</u> Harvest all species down to 4.6" DBH except white pine, cedar, hemlock and red oak. Harvest operations are only to occur between</p> <p><u>Specs:</u> December 1st and March 31st due to deer yard. WLD would prefer to have large tops left intact to protect regeneration from deer browse.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any combination of the original stand overstory species. A higher component of early successional species such as aspen and paper birch is expected.</p> <p><u>Regen:</u></p> <p><u>Other</u> The goal is the overwhelm the deer with regeneration so they cannot browse it all. The land owner will allow access for harvest. There</p> <p><u>Comment:</u> are no survey corners on record for this area.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
26 11058026_Cut	24.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest all species down to 4.6" DBH except white pine, cedar, hemlock and red oak. Harvest operations are only to occur between December 1st and March 31st due to deer yard.WLD would prefer to have large tops left intact to protect regeneration from deer browse.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any combination of the original stands overstory species. I higher component of early successional species such as aspen and birch is expected.</p> <p><u>Other Comment:</u> The goal is to overwhelm the deer with regeneration so they cannot browse all of it.The land owner will allow access for logging.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2022</p>										

Total Treatment Acreage Proposed: 40.1

Report 4 – Site Conditions

Baraga Mgt. Unit
Brad Carlson : Examiner

Compartment: 58
Year of Entry: 2023

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2A	2G	3J	3L
		With Condition	Not Available					
92	1	0	92	Bog		92		
38	0	0	38	Cedar	0	38		
53	3	0	50	Lowland Conifers		49		0
13	0	0	13	Lowland Mixed Forest		13		
130	2	0	128	Lowland Shrub		126	2	0
38	0	0	38	Lowland Spruce/Fir		38		
32	28	0	4	Marsh			4	
23	6	0	18	Mixed Upland Deciduous	7	1	9	
36	35	0	0	Northern Hardwood		0		
8	8	0	1	Oak			1	
4	0	0	4	Sand, Soil			4	
69	0	0	69	Tamarack		69		
24	6	0	18	Upland Conifers		0		18
68	11	0	56	Water			56	
628	100		528	Total Forested Acres	7	427	76	18
	16%		84%	Relative Percent				

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	137	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Baraga Mgt. Unit
Brad Carlson : Examiner

Compartment: 58
Year of Entry: 2023

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	121	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	92	3J: Water quality / BMPs (stream, river, or lake)	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	76	1C: Other dept or div proc/practices	Unspecified	Unspecified	Unspecified
Comments: Boston Pond Access Site							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3L: Other wildlife concerns	18	2D: Portable Bridge Needed (Dept. bridge will be adequate)	2G: Too wet (sensitive soils, does not include access issues)	3J: Water quality / BMPs (stream, river, or lake)	Unspecified
Comments: WLD does not permit cutting in stand of this species composition (Hemlock, Cedar, White Pine).							
16	Unavailable	2A: Adjacent landowner denied access	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
SCA	Visual Management Area	An area of general social appreciation that is managed to recognize and preserve a particular visual value. Examples of these areas include scenic vistas, scenic or natural beauty roads, and lakeshore areas.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	623 - Emergent Wetland	Nonstocked	4.3		Unspecified	No	Transferred to PRD in Dec 2020.
2	500 - Water	Nonstocked	56.4		Unspecified	No	Transferred to PRD in Dec 2020.
3	622 - Lowland Shrub	Nonstocked	1.6		Unspecified	No	Transferred to PRD in Dec 2020.
4	710 - Sand, Soil	Nonstocked	3.6		Unspecified	No	Transferred to PRD in Dec 2020.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	4199 - Other Mixed Upland Deciduous	Sawtimber Well	9.3	77	81-110	N/A	Transferred to PRD in Dec 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	50	Log	10	77	Mountain Ash	Low	10 - 20 feet	Sapling
Paper Birch	10	Pole	6		Sugar Maple	High	>20 feet	Sapling
Red Maple	5	Sapling/Pole	4		Ironwood	Medium	>20 feet	Sapling
White Pine	2	XLog/Log	18		Red Maple	Medium	>20 feet	Sapling
Sugar Maple	5	Sapling/Pole	4					
Quaking Aspen	10	Pole	9					
Paper Birch	13	Log	11					
Sugar Maple	5	Log	16					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4123 - Red Oak	Sawtimber Well	7.5	79	1-50	N/A	cut in winter 2015. "Boston Reserve". Transferred to PRD in Dec 2020.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	24	Sapling/Pole	4	23	Sugar Maple	High	>20 feet	Sapling
White Pine	1	Log	16		Red Oak	Low	10 - 20 feet	Sapling
Ironwood	5	Sapling/Pole	4		Ironwood	Medium	>20 feet	Sapling
Red Maple	10	Pole/Log	9	8				
Red Oak	60	Log	14	79				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.3	95	81-110	N/A	This stand is ready for harvest but access was denied by the adjacent land owner. This stand has no legal overland access. The adjacent property owners to the south and west is interested in acquiring the property should the state ever dispose of it.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	5	Log	12		Tag Alder	Low	5 - 10 feet	Tall Shrub
Paper Birch	2	Pole	8		Northern White Cedar	Low	Variable	Sapling
Quaking Aspen	2	Pole/Log	12		Yellow Birch	Low	Variable	Pole
Balsam Fir	5	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	15	Pole/Log	10		Hemlock	Low	Variable	Sapling
Yellow Birch	6	Pole	8					
Hemlock	20	Log	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
12	6120 - Lowland Cedar	Poletimber Well	38.0	100	81-110	N/A	This stand was clearcut a long time ago. No legal overland access. The adjacent Property owner to the south and west is interested in this parcel if the state were to dispose of it.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Northern White Cedar		53	Pole	5	100	Tag Alder		
Tamarack		2	Pole	8		Northern White Cedar		
White Pine		2	Log/Pole	10		Density		
Yellow Birch		2	Pole/Sapling	6		Avg. Height		
Red Maple		2	Pole/Sapling	4		Size		
Black Ash		2	Pole	5		Tall Shrub		
Balsam Fir		5	Pole	6		Sapling		
Paper Birch		2	Pole	6				
Black Spruce		30	Pole	6				
13	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	18.2	107	111-140	N/A	Access for inventory is from land owner to the east. Land owner to the north has denied the state access. Driveway from land owner to the north is in trespass. Trespass specialist will handle this trespass. No legal overland access. The current easement of 66' is in section 19 and does not mention section 18 therefor only sharing a common section corner. That alone does not provide for legal access.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Fir		2	Pole	8		Northern White Cedar		
Black Spruce		2	Pole	8		Balsam Fir		
Paper Birch		5	Pole	8		Tag Alder		
Northern White Cedar		16	Pole	8		Hemlock		
Red Maple		10	Log	12		Density		
Hemlock		45	Log/Pole	12	107	Avg. Height		
White Pine		5	XLog/Log	22		Size		
White Spruce		5	Log/Pole	14		Tall Shrub		
Quaking Aspen		10	Log	12		Sapling		
14	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	13.2	110	51-80	N/A	No legal overland access. The adjacent property owner to the south and west is interested in this parcel if the state would dispose of it.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Balsam Fir		2	Pole	6		Northern White Cedar		
White Spruce		5	Pole/Log	12		Black Ash		
Black Spruce		5	Pole	6		Tag Alder		
American Elm		10	Pole	5		Balsam Fir		
Tamarack		2	Pole	8		American Elm		
Red Maple		20	Pole	5		Density		
Black Ash		25	Pole	7		Avg. Height		
Paper Birch		2	Pole	5		Size		
Yellow Birch		2	Pole	8		Tall Shrub		
Northern White Cedar		27	Pole	8	110	Sapling		
15	622 - Lowland Shrub	Nonstocked	39.7		Unspecified	No		
16	622 - Lowland Shrub	Nonstocked	0.9		Unspecified	No		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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17	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	49.7	89	51-80	N/A	Trail leading from private on the north through the stand and out to the canal is well used.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	2	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	2	Pole	6		Tamarack	Medium	10 - 20 feet	Sapling
Black Spruce	40	Pole	6	89	Black Spruce	High	Variable	Sapling
White Spruce	2	Pole/Log	10		Northern White Cedar	High	Variable	Pole
Northern White Cedar	2	Pole	6		Balsam Fir	Medium	10 - 20 feet	Sapling
Paper Birch	2	Pole	4					
Hemlock	20	Log	14					
Tamarack	10	Pole/Log	10					
Red Maple	5	Pole	6					
White Pine	15	Log	16					

18	622 - Lowland Shrub	Nonstocked	0.9		Unspecified	No	
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19	622 - Lowland Shrub	Nonstocked	86.5		Unspecified	No	There appears to be an historic trespass in the small strip in section 19. This property should be disposed of as there is no legal access of the bootjack road and adjacent owner has subdivided. There will be several more trespasses in the future as the new property owners will seek the waterfront.
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20	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.6	76	51-80	N/A	Driveway trespass has been resolved. There has been interest in this parcel should the state ever dispose of it. This parcel was acquired as a possible picnic and bathing beach. There has been some minor tree clearing on state land close the residence to north.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	20	Pole/Log	10		Yellow Birch	Medium	Variable	Sapling
Balsam Fir	5	Pole	7		Black Ash	High	Variable	Sapling
White Spruce	10	Log	16		Tag Alder	Medium	< 5 feet	Tall Shrub
Black Ash	25	Pole	8		Sugar Maple	High	Variable	Sapling
Red Maple	30	Pole/Log	10	76	Red Maple	High	5 - 10 feet	Sapling

21	6122 - Black Spruce	Poletimber Medium	38.5	117	1-50	N/A	Stand not visited during this inventory cycle due to poor access across private property.
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Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	20	Pole	5	
Black Spruce	65	Pole	6	117
Northern White Cedar	15	Pole	5	

22	6121 - Tamarack	Sapling Poor	28.8	125	1-50	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	30	Sapling	3	
Tamarack	70	Sapling/Pole	5	125



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
23	6225 - Bog	Nonstocked	92.5		Unspecified	No				
24	6121 - Tamarack	Sapling Poor	40.0	125	1-50	N/A				
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Black Spruce	25	Sapling/Pole	4		Northern White Cedar	Low	5 - 10 feet	Sapling
		Tamarack	50	Sapling/Pole	4	125	Tamarack	Low	5 - 10 feet	Sapling
		Northern White Cedar	25	Sapling	3					
25	4119 - Mixed Northern Hardwoods	Sawtimber Well	10.2	86	81-110	N/A	Heavy deer browse. Poor Quality timber. Several large canopy gaps are not closed in from last harvest. Consider final harvest if treatment is desired. consult WLD for recommendation.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		Yellow Birch	2	Pole/Log	10		Sugar Maple	High	Variable	Pole
		Paper Birch	2	Pole/Log	10		Red Maple	Medium	10 - 20 feet	Sapling
		White Pine	5	Log	16		Balsam Fir	High	Variable	Sapling
		Balsam Fir	2	Pole	6					
		Sugar Maple	50	Pole/Log	12	86				
		Hemlock	10	Log	12					
		Red Maple	20	Pole/Log	12					
		Black Ash	2	Log	14					
		White Spruce	5	Pole	14					
		Red Oak	2	Log	16					
26	4112 - Maple, Beech, Cherry Association	Sawtimber Well	25.3	86	81-110	N/A	Heavy deer browse. Quite a few canopy gaps that did not fill in since the last harvest. There is only a few acres of upland hardwoods the remainder is 15 ft lower and poor quality. Consider final harvest with reserves if a treatment is desirable. The regeneration should overwhelm the deer's ability to browse all the regeneration. Consult WLD before prescribing.			
		Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
		White Spruce	2	Pole	7		Red Maple	High	10 - 20 feet	Sapling
		Balsam Fir	2	Pole	6		Red Oak	Medium	10 - 20 feet	Sapling
		White Pine	5	Log	16		Northern White Cedar	Low	>20 feet	Sapling
		Hemlock	5	Log	12		Paper Birch	Low	10 - 20 feet	Sapling
		Red Maple	31	Log/Pole	12		Sugar Maple	Medium	10 - 20 feet	Sapling
		Sugar Maple	50	Log/Pole	10	86				
		Red Oak	5	Log	16					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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27	429 - Mixed Upland Conifers	Sawtimber Well	6.1	75	81-110	N/A	Canal buffer. 2010: There was supposed to be a canoe-in campsite along the canal in the south of this stand, little evidence was found except for an old beer mug on a stump. However an illegal tree blind was found on state in the south tip of the stand. 2020: the deer blind doesn't appear to be used anymore and falling apart.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		5	Pole/Log	10		Sugar Maple		
Balsam Fir		5	Pole	6		Red Maple		
White Spruce		5	Log/Pole	12		Balsam Fir		
Hemlock		15	Log	14				
Sugar Maple		5	Pole	8				
White Pine		55	Log	16	75			
Red Oak		5	Log/Pole	12				
Red Maple		5	Pole	8				

28	500 - Water	Nonstocked	11.2		Unspecified	No	
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29	623 - Emergent Wetland	Nonstocked	27.9		Unspecified	No	
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31	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	3.1	98	81-110	N/A	Some areas may be harvested with stand 26.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Pine		5	Log	16		Balsam Fir	
Red Maple		5	Pole	8		Red Maple	
Balsam Fir		5	Pole	6		Sugar Maple	
Hemlock		60	Log	14	98		
Northern White Cedar		20	Log	16			
White Spruce		5	Log/Pole	12			