

PARK PROFILE	
AREA	1,533 acres
COUNTY	Leelanau County
TOWNSHIP	Leelanau Township
LATITUDE	45.184600
LONGITUDE	-85.564608
ADDRESS	15310 N Lighthouse Point Rd. Northport, MI 49670
PHONE	1-231-386-5422



## Appendix A: Supporting Analysis

### A.1 Park Overview

Leelanau State Park is located on the northern tip of the Leelanau Peninsula in the northwest of Michigan’s Lower Peninsula. The park features the Grand Traverse Lighthouse Museum, a rustic campground with 51 sites and three mini-cabins, 8.5 miles of hiking and cross-country ski trails and land open to hunting. The 1,533-acre park includes 2.25 miles of Lake Michigan shoreline with cobble beaches. A large proportion of Leelanau State Park (900 acres) is designated as the Cathead Bay Natural Area (The Nature Conservancy registered), featuring open and forested dunes with numerous non-forested blowouts. The shoreline is also protected as nesting habitat for the state and federally threatened piping plover.

### Location & Community

Leelanau County consists of five islands and the Leelanau Peninsula (the “little finger” of the mitten) in the northwest of the Michigan Lower Peninsula. Two of the largest industries in the county are agriculture and tourism. The Land Policy Institute at Michigan State University published the Northwest Michigan Seasonal Population Analysis, an assessment based on studies conducted in 2012. It was estimated that the seasonal and transient residents made up 6% of the Leelanau

County population in winter months, and over 40% of the population during the summer, demonstrating the major influx of visitors in Leelanau County. Agriculture thrives in the region due to climate and landscape. Sweet cherry, tart cherry, grapes, and apples are popular crops. The economy of Leelanau County is highly influenced by the seasonal population and visitors coming to the peninsula for recreation and tourism, including agricultural tourism such as winery and heritage tours.

Leelanau State Park, in Leelanau Township, Leelanau County, is approximately eight miles north of the city of Northport, 20 miles from the historic town of Leland and 20 miles from Suttons Bay. The nearest major population center is Traverse City, 34 miles to the south, which connects to Northport, Suttons Bay, and Leland via Highway M-22. The area is a popular tourist destination with the Lake Michigan Circle Tour running the length of the Leelanau Peninsula. Visitors to the region enjoy scenic Lake Michigan views; orchards, vineyards, and wineries; local casinos; art galleries and unique shops; historic attractions; as well as opportunities for hiking, fishing, or exploring public beaches. The cherry industry plays an important role in both the history and the present-day economy of the area.

## A.2 Demographics

The U.S. Census Bureau reports that the 2010 population of Leelanau County was 21,708. This is an approximate 2.8% increase from the reported population in the 2000 census. The population estimate for 2017 shows numbers holding steady from 2010. The county is composed of several small townships with unincorporated communities, as well as three villages and a small portion of Traverse City. The County Seat is the Village of Suttons Bay, although it was historically the town of Leland. Many of the towns within Leelanau County have relatively small populations, which expand significantly in the summer due to tourism. The Leelanau General Plan indicates that around 31% of the County's housing stock in 2010 was classified as "seasonal". The population is most dense within Elmwood, Bingham, and Leland townships. The racial makeup of the county is predominately white (93%) and has a higher proportion of persons 65 years or older (29.9%) than the

rest of the state (16.7%). There is a higher proportion of American Indians in Leelanau County (3.8%) than in Michigan as a whole (0.7%). The main administration office for the tribal government of the Grand Traverse Band of Ottawa and Chippewa Indians is in Peshawbestown, 16 miles south of Leelanau State Park.

Compared to Michigan overall, Leelanau County appears to be more financially secure with a higher median household income, as well as a higher per capita income. The county poverty rate is 8.1%, which is 6.1% lower than the state poverty rate (14.2%). The population of Leelanau County has a moderately high rate of secondary education completion and 41.1% of residents possess a bachelor's degree or higher (among individuals 25 and older) compared to 27.4% for Michigan overall.

GEOGRAPHY QUICKFACTS		
	LEELANAU CO.	MICHIGAN
Population per square mile, 2010	62.5	174.8
Land area in square miles, 2010	347.17	56,538.9
POPULATION QUICKFACTS		
	LEELANAU CO.	MICHIGAN
Population estimates, July 1, 2017	21,657	9,962,311
Population, Census, April 1, 2010	21,708	9,883,640
Persons under 5 years, percent, July 1, 2017	4.2%	5.8%
Persons under 18 years, percent, July 1, 2017	16.4%	21.8%
Persons 65 years and over, percent, July 1, 2017	29.9%	16.7%
Female persons, percent, July 1, 2017	50.7%	50.8%
White alone, percent, July 1, 2017	93.0%	79.4%
Black or African American alone, percent, July 1, 2017	0.7%	14.1%
American Indian and Alaska Native alone, percent, July 1, 2017	3.8%	0.7%
Two or More Races, percent, July 1, 2017	1.9%	2.4%
Hispanic or Latino, percent	4.4%	5.1%
Veterans, 2012-2016	1,869	602,630
Foreign born persons, percent, 2012-2016	3.4%	6.4%
Housing units, July 1, 2017	15,615	4,595,158
Owner-occupied housing unit rate, 2012-2016	86.0%	70.8%
Households, 2012-2016	8,984	3,860,394
Persons per household, 2012-2016	2.38	2.51
Language other than English spoken at home, % age 5 yrs+, 2012-2016	5.3%	9.3%
High school graduate or higher, % age 25 years+, 2012-2016	94.8%	89.9%
Bachelor's degree or higher, % age 25 years+, 2012-2016	41.1%	27.4%
Mean travel time to work (minutes), workers age 16 years+, 2012-2016	21.8	24.3
Median household income (in 2016 dollars), 2012-2016	59,018	50,803
Per capita income in past 12 months (in 2016 dollars), 2012-2016	35,954	27,549
Persons in poverty, percent	8.1%	14.2%



The interior of the Evergreen Cabin

### A.3 Regional Recreation Resources

Leelanau State Park is in a region that is known for its outdoor recreation and tourism, with a range of facilities within 50 miles of the park. The primary resources in the region are described below.

#### Federally Owned Resources

- **Sleeping Bear Dunes National Lakeshore** is located approximately 41 miles south of Leelanau State Park. Visitors may climb sand dunes, swim in Lake Michigan and smaller inland lakes, or take a trip back in history and visit Glen Haven Village or the USLSS Maritime Museum. There are two campgrounds (D.H. Day Campground and Platte River Campground) on the mainland of Sleeping Bear Dunes, which offer both full electric hook-up and rustic sites. Visitors may also backcountry camp at select sites in the park and on the Manitow Islands. North and South Manitow Island are both part of the National Lakeshore and may be accessed by ferry service from Leland for backpacking, hiking, swimming and exploring the shipwrecks and ghost towns around the islands.

#### State Owned Resources

##### State Parks

- **Keith J. Charters Traverse City State Park** is a 79-acre park, 40 miles southeast of Leelanau State Park. The modern campground offers 347 sites for camping and can accommodate trailers or RVs up to 40 feet long. The park has accessible facilities including its 2 mini cabins, modern lodge, beachfront, playground and restrooms. The park is open for biking and hiking on the adjacent TART Trail; swimming, fishing, and boating on Grand Traverse Bay; and metal detecting.

- **Interlochen State Park** is located between Green Lake and Duck Lake, 50 miles south of Leelanau State Park. This was the first state park, established in 1919, managed under the Michigan State Park Commission. The National Music Camp has operated on land adjacent to the park since 1928. Visitors may rent boats, fish, paddle, and swim here, and the park also features picnic areas, 52 rustic and 392 modern campsites, three camper cabins, two rental tents and a playground.
- **Fisherman's Island State Park** is approximately 85 miles from Leelanau State Park by road, but just 7.4 miles across Grand Traverse Bay by boat. The park is 3,097 acres and features six miles of Lake Michigan shoreline as well as a wide expanse of dune area. Facilities include picnic area, beach, hiking trails, rustic campsites, and the park is open to hunting and trapping.

##### State Forests

- **Traverse City Forest Management Unit** covers Kalkaska, Grand Traverse, Benzie, Manistee and Leelanau counties. It is approximately 330,000 acres with a wide variety of cover types, including northern hardwoods, aspen and red pine. It is an actively managed forest typically harvesting 7,000 acres annually for wildlife and timber management purposes. Other forest recreation opportunities are available including hunting, fishing, mushroom picking and dispersed camping, as well as concentrated recreation on numerous designated trail systems for motorized and non-motorized specific recreational opportunities. State forest roads are open to ORV/ATV use unless posted closed to users. Public Act 288 (PA 288), enacted in September 2016, requires the DNR to inventory and map all state forest roads. The DNR Roads Web Map is an interactive tool that identifies which roads are opened, closed, or seasonally closed to ORV use. The forest has a history of white-tailed deer, black bear, ruffed grouse, woodcock and other game species harvest.

## APPENDIX A

- State Forest Campgrounds

The following state forest campgrounds (SFCG) are located within 50 miles of Leelanau State Park and are administered by the Parks and Recreation Division.

STATE FOREST CAMPGROUNDS				
STATE FOREST CAMPGROUND	LOCATION	NUMBER OF SITES	AMENITIES	MANAGEMENT
Garey Lake	8 miles SE of Empire	13	Fishing	Interlochen
Garey Lake Trail Camp	8 miles SE of Empire	Equestrian Groups	Fishing	Interlochen
Lake Ann	2 miles SW of Lake Ann	30	Boat launch, fishing, trails	Interlochen
Lake Dubonnet	4.5 miles NW of Interlochen	50	Boat launch, fishing, trails	Interlochen
Lake Dubonnet Trail Camp	4.5 miles NW of Interlochen	Equestrian Groups	Fishing	Interlochen
Platte River	2.5 miles southeast of Honor	26	Fishing, hunting, paddlesports, boat launch	Interlochen
Veterans Memorial	3.5 miles east of Honor	24	Fishing, paddlesports, boat launch	Interlochen

### Boating Access Sites

The following Leelanau County boating access sites (BAS) are administered by PRD out of the Grawn Field Office.

BOATING ACCESS SITES			
BAS	WATER BODY	TYPE	PARKING SPACES
Lake Leelanau North	Lake Leelanau	Hard surfaced, limited depth	8
Lake Leelanau West	Lake Leelanau	Hard surfaced	5
Lake Leelanau East	Lake Leelanau	Hard surfaced	21
The Narrows	Lake Leelanau	Hard surfaced	33
West Arm	Lake Michigan	Hard surfaced	36
Lime Lake	Lime Lake	Hard surfaced, limited depth	6
Glen Lake	Glen Lake	Hard surfaced	20
Armstrong Lake	Armstrong Lake	Gravel: medium to small boats	3



A small pond

## State Trails

- **Vasa Pathway** is 44 miles southeast from Leelanau State Park and crosses parts of the Traverse City Forest Management Unit. The 20-mile non-motorized trail offers loops of varying lengths for hiking, biking, and cross-country skiing with several picnic and camping areas available along the trail. The trail is maintained and groomed by TART Trails under an agreement with the Michigan DNR.
- **Snowmobile Trail #3** travels approximately 40 miles from Maple City (Leelanau County), then through state forest land in Benzie County, and links to the Betsie Valley Trail and other trails leading south into Manistee County. The trail is maintained by the DNR Parks and Recreation Division with assistance from the Benzie-Manistee Snowmobile Club.
- **Betsie Valley Trail** – This 22-mile non-motorized trail extends from Frankfort through Elberta and Beulah to Thompsonville in Benzie County. Surfacing from Frankfort to Crystal Lake is paved with the remainder of the trail aggregate. The trail is excellent for bicycles and pedestrian use and the 13 Mile stretch between Beulah and Thompsonville is open to snowmobiles December through March. The trail is maintained by Benzie County with support from The Friends of the Betsie Valley Trail.
- **Michigan Shore-to-Shore Trail**, also known as the Michigan Riding and Hiking Trail, is a 220-mile non-motorized trail which spans from Lake Michigan in Empire (near Sleeping Bear Dunes National Lakeshore) in the west to Lake Huron in Oscoda (in the Huron-Manistee National Forest). It features a northern spur up toward Cheboygan and a southern spur toward Cadillac. Most areas of this trail are limited to hiking and horseback-riding, but some do intersect with trails which allow snowmobiles. The Michigan Trail Riders Association works with the Michigan Department of Natural Resources and the US Forest Service to maintain and coordinate trail rides and rest sites along the trail.
- **Sleeping Bear Birding Trail (SBBT)** spans an exceptional migratory flyway and thousands of public acres along the Lake Michigan coastline. The trail is anchored by Sleeping Bear Dunes National Lakeshore, an Important Bird Area (IBA) with 71,000 acres of public land and 35 miles of beaches. The SBBT covers all 123 miles of Michigan Highway M-22, which stretches from Manistee to the tip of Leelanau Peninsula. The diverse habitat, significant public access, and many miles of shoreline make the trail a birder’s paradise. Leelanau State Park is noted as a migrant trap, with nearby Leelanau Conservancy land also listed as important birding locations.

## Regional Trails

- **Great Lakes Circle Tour** (Great Lakes Commission) is a 6,500-mile road tour around the Great Lakes and St. Lawrence River and runs through eight states and two Canadian provinces. The Lake Michigan Circle Route is approximately 1,100 miles long and runs through Illinois, Wisconsin, Indiana, and Michigan. A portion of the tour follows M-22 north through the Sleeping Bear Dunes National Lakeshore and into the town of Leland.
- **Leelanau Scenic Heritage Route** spans approximately 68 miles along the M-22, M-109, and M-204 highways. This route travels through small towns, vineyards, and orchards in the area, moving up the Leelanau Peninsula from M-72 junction in northern Traverse City in the southeast and from M-22 on the Benzie/Leelanau county line in the southwest.
- **U.S. Bike Route 35** is a 505-mile route which runs along the western edge of Michigan’s Lower Peninsula and into the eastern portion of the Upper Peninsula, traveling between New Buffalo and Sault Ste. Marie. The section from Traverse City to Ludington runs up the Leelanau Peninsula, through Suttons Bay and around Lake Leelanau, and uses a combination of trails and roads.
- **TART Trail (Traverse Area Recreation and Transportation Trail)** is a 10.5-mile urban trail open to hiking and biking that runs through parks and downtown Traverse City. The TART Trail links to other trails throughout the area including the Leelanau Trail.
- **Leelanau Trail (TART)** is 17 miles long and connects Traverse City to Suttons Bay on the Leelanau Peninsula. This trail is open to biking, hiking, and cross-country skiing. The Leelanau Trail crosses the DeYoung Natural



A hiker consults the trail map

- **Sleeping Bear Heritage Trail** is a non-motorized trail that showcases destinations within the Sleeping Bear Dunes National Lakeshore and the two lakeshore towns of Glen Arbor and Empire. Currently the trail is 21 miles, end to end, including a 3-mile route on the road through Glen Arbor. The Sleeping Bear Heritage Trail was developed as a partnership between the Leelanau Scenic Heritage Route Committee (LSHR), the Michigan Department of Transportation, Sleeping Bear Dunes National Lakeshore, Friends of Sleeping Bear Dunes, and TART Trails.

## Municipal Recreational Land

### Marinas & Water Recreation

There are several municipally managed marinas and boating access sites along the Leelanau Peninsula. A few have access to Grand Traverse Bay or Lake Michigan, while others are along Lake Leelanau.

- **G. Martsen Dame Municipal Marina** (Northport) is a marina with 115 total boat slips. This marina is equipped with utilities, showers, pump-out and a launch ramp.
- **Leland Township Marina** (Leland) features 46 boat slips, utilities, showers, pump-out, and a launch ramp.
- **Suttons Bay Marina** (Suttons Bay) is located along Lake Michigan and features both transient and seasonal slips, water, electricity, restroom/showers, gasoline, pump-out, boat launch, long-term parking, day use dockage and other site amenities.
- Water Access Sites are dispersed around Lake Leelanau and the Leelanau River. These range from carry-in sites to fully developed hard-surfaced launch ramps.

### Parks

The townships and villages along the Leelanau Peninsula feature parks managed at the county or local level. Many offer picnic areas, playgrounds, hiking trails and some have access to Lake Michigan, Lake Leelanau, or other small lakes and rivers with opportunities for swimming or fishing.

- **Bartholomew Park & Nedow's Bay** (Leelanau Township) is a beach and park area with swimming areas, docks, and a boat launch on Lake Leelanau.
- **Veronica Valley Park** (Leelanau County) is a 92.3-acre park, formerly a privately-owned golf course, featuring rolling hills, ponds, and forested wetlands. It is also bisected by Mebert Creek, a designated trout stream. The park is open for hiking, fishing, cross-country skiing, as well as youth/adult outdoor education.
- **Lake Michigan Beach Park** (Empire) is 46 miles south of Leelanau State Park. The beach is close to Sleeping Bear Dunes National Lakeshore and features the Richard H. Manning Memorial Lighthouse, opportunities for swimming and picnics, and historic landmarks related to the Empire Lumber Company.

- **Lighthouse Park & Old Mission Point Park** (Peninsula Township) are adjacent parks located at the tip of Old Mission Peninsula, a 55-mile drive from Leelanau State Park, due to the Grand Traverse Bay separating the sites. The 646-acre Old Mission Point Park has been leased from the Michigan DNR by Peninsula Township since 1949. Lighthouse Park hosts the historic Old Mission Lighthouse and the Hessler Log Cabin. There are opportunities for swimming, biking, hiking and cross-country skiing. Old Mission Point Park features more trails and parking areas.
- **Peterson Park** (Leelanau Township) is located in Northport and features 1,000 feet of rocky lakeshore providing opportunities to hunt Petoskey stones. The park includes a picnic area, playground and small platform overlooking Lake Michigan.

## Nature Preserves

- **Lighthouse West** (Leelanau Conservancy) is a 42-acre parcel that is the last stop for migrating birds to rest and feed before crossing the big water to the Upper Peninsula. Over 125 species of birds have been spotted here. The DNR has a conservation easement on this property.
- **Kehl Lake Natural Area** (Leelanau Conservancy) sits just south of Leelanau State Park, near Cathead Bay. With 279 acres of wetlands near Lake Michigan, Kehl Lake is an important piece of the migratory flyway and offers numerous opportunities for birding and wildlife viewing. Visitors may hike the two miles of trails in the area, as well as canoe, kayak, fish, or hunt (by permit only).
- **Whaleback Natural Area** (Leelanau Conservancy) is a 40-acre preserve featuring a one-mile trail up a 300-foot bluff to an overlook offering fantastic views of the Manitou Passage. The preserve includes over 1,200 feet of Lake Michigan shoreline.
- **Houdek Dunes Natural Area** (Leelanau Conservancy) is located approximately 5 miles north of Leland. The 370-acre property features dunes, mature forested backdunes, and Houdek Creek, a spring-fed trout stream that flows into Lake Leelanau. Several trail loops provide for quiet exploration of the dune environment demonstrating the process of succession.
- **Teichner Preserve** (Leelanau Conservancy) consists of 43 acres of land with 200 feet of undeveloped shoreline on Lime Lake. It contains giant elms and chestnuts, which are rare trees most likely planted by early settlers. It is a short half-mile trail to the shore and back but it shows the natural beauty of wetlands and offers views of a vibrant and healthy ecosystem.
- **Clay Cliffs Natural Area** (Leelanau Conservancy) is a 105-acre recreation area with shoreline on both Lake Michigan and north Lake Leelanau. Recreation opportunities include fishing, wildlife viewing, hiking and cross-country skiing.
- **Finton Natural Area** (Leelanau Conservancy) is part of a critical wildlife corridor that spans the tip of the Leelanau Peninsula. Located southwest of Mud Lake off Wolsey Lake Road, the property features a short half mile trail through dense forest and opportunities for birding and hunting.

**Grand Traverse Region Lighthouses**

The following are some of the lighthouses in the greater Grand Traverse region.

GRAND TRAVERSE REGION LIGHTHOUSES		
NAME	LOCATION	NOTES
Point Betsie Lighthouse	South of Sleeping Bear Dunes, North of Frankfort	Original 1858 lighthouse, keepers residence, fog signal building, and Boathouse Museum are open to the public
Mission Point Lighthouse	North end of the Old Mission Peninsula	Guided mariners through West Grand Traverse Bay from September 10, 1870 until it was decommissioned in 1933. Now offers visitors a peek into what life was like around the turn of the century for lighthouse keepers and for others who lived and worked in the area at the time.
South Manitou Island Lighthouse	South Manitou Island harbor	Established in 1839 to mark the location of the only natural harbor between northern Michigan and Chicago. Its 100-foot tower dates from 1871. Decommissioned in 1958, the lighthouse is now part of the Sleeping Bear Dunes National Lakeshore.
North Manitou Shoal Light	In Lake Michigan between North Manitou Island and the Leelanau Peninsula	“The Crib” was established in 1935 to mark a dangerous shoal and is still in operation today as an automated navigational light. Not open for tours but can be viewed up close from the ferry from Leland to the Manitou Islands or from the top of Pyramid Point in Leelanau County. The North Manitou Light Keepers purchased the light in 2016 from the Coast Guard after the structure had been empty for 36 years following automation in 1980. Efforts to restore the lighthouse are in progress.
South Fox Island Lighthouse	South Fox Island	The State of Michigan owns one third of the island, which includes the lighthouse complex under the jurisdiction of the DNR. With seven buildings and two light towers, the station is one of the biggest light stations in the USA.

**Points of Interest: Arts and History**

The region is home to a variety of historic sites. In addition to the Grand Traverse Lighthouse within Leelanau State Park, the surrounding area is home to several lighthouses, listed in the table above.

Many of the towns on the Leelanau Peninsula feature historic districts, preserving the history of the fishing, shipping, and agricultural industries that have thrived in the region over the years. The following historic districts, museums, arts facilities and preserves are in close proximity to Leelanau State Park.

- **Northport Arts Association** is a non-profit organization that fosters and promotes artistic expression in the Northport community. Their Village Arts Building facility hosts varied arts classes and activities and is available for special event rentals.
- **Omena Historic District** (Omena Historical Society) was added to the National Register of Historic Places in 2017. Omena began as a settlement for the Ottawa and Chippewa Tribes.
- **Eyaawing Museum & Cultural Center** (Grand Traverse Band of Ottawa and Chippewa Indians), located in Peshawbestown, is 17 miles south of Leelanau State Park. Visitors may learn about the culture, language and regional history of the Anishinaabek.
- **The Old Art Building**, located in Leland, is a cultural center with the mission to promote cultural enrichment programs and events, provide a gathering place for the community, and preserve the Old Art Building as a significant part of Leelanau History.

- **Leland Historic District** (Fishtown Preservation Society), also known as “Fishtown”, was a thriving fishing district in the 1900s and still has one commercial fishery operating in 2021. Visitors may tour shanties, visit galleries and shops, and enjoy the view of the historic fishing tugs.
- **Leelanau Historical Society Museum** (Leelanau Historical Society) is just south of Fishtown in Leland. The museum may feature exhibits about the influence of Michigan’s timber and fur trade, lighthouses, shipwrecks, the Manitou Islands and more.
- **Grand Traverse Bay Preserve** is an underwater preserve that covers 295 square miles of Lake Michigan bottomlands and surface waters (both the East and West Arms of Grand Traverse Bay) and protects several known shipwreck sites and many other potential shipwreck sites, docks, wharves, and piers from the region’s early development.
- **Manitou Passage Underwater Preserve** offers diving opportunities at numerous shipwrecks located between the Manitou Islands and Sleeping Bear Dunes National Lakeshore, as well as opportunities to explore historic docks and wharves built during the heyday of Michigan’s lumber industry. Some of the most famous shipwrecks in the area date back to the 1880s.
- **Interlochen Center for the Arts** is located south of Traverse City and offers arts education programs for students in grades 3-12 and adults of all ages. It also hosts hundreds of concerts and events.

### Private Recreation Opportunities

There are numerous private recreation offerings in the area, including campgrounds, vineyards, private marinas, and others.

There are over 20 vineyards and wineries in the Leelanau-Grand Traverse area, producing a variety of local wines, ciders, spirits, and microbrews. Visitors may drive, bike, or take a shuttle or bus tour to explore wineries and distilleries, attend tastings, and take behind-the-scenes tours. The Leelanau Peninsula Wine Trail consists of three loops: Sleeping Bear, Grand Traverse Bay, and the Northern Loop, which goes up the peninsula toward Northport. Many of the vineyards in the region participate in the Leelanau Peninsula Wine Trail, but it is not an exhaustive list of all the vineyard and winery experiences the area has to offer.

Campgrounds in the Leelanau and Grand Traverse Bay area range from rustic tent sites to full-service resorts for both tent and RV camping with modern facilities. Many sit along Lake Leelanau and offer fishing, boating and swimming. Some host their own campground and park events, lodges, shops and picnic tables. Numerous hotels, resorts, bed and breakfasts, and motels are also located in the area.

Local gaming establishments, such as the Turtle Creek Casino and the Leelanau Sands Casino and Showroom, are popular attractions in the region.

### A.4 History of Leelanau State Park

People have been attracted to the natural resources of the Leelanau Peninsula for thousands of years – first to live off the land, and later for recreation. An archaeological survey conducted around the Grand Traverse Light Station found evidence of a prehistoric site of an “undetermined age or occupation type”. Odawa and Ojibwe people hunted, gathered and fished here. They traded with French and British voyageurs and settlers when they arrived in the 1600s. European exploration of the Grand Traverse Bay area began

in the 18th century, followed by Leelanau County’s official establishment in 1863. In the 1836 Treaty of Washington, Odawa and Ojibwe bands ceded most of what is now the northern Lower Peninsula to the United States including the Leelanau Peninsula. They retained hunting and fishing rights, which they still retain today. Dispossession continued with the Treaty of Detroit in 1855, which provided for tribal lands to be broken into individual allotments.

Beginning in the 1840s, the Great Lakes became busy thoroughfares for moving wheat, corn, lumber, coal, and iron ore. The northern tip of the Leelanau Peninsula served as an important navigational marker for vessels traveling between the Manitowish Passage and the Straits of Mackinac and those turning into Grand Traverse Bay. In 1849, the recommendation to erect a light on Cat Head Point was made by leaders in Washington.

Congress appropriated funds for a lighthouse and tower on the tip of the peninsula in 1850. President Fillmore designated land from public properties and signed an executive order on June 30, 1851. The original single-story, brick light keeper’s house with separate tower was built in 1852. As there were no roads when the first lighthouse was built, waterways were used to transport materials and crew for construction. After only six years in operation, the tower was found to be eroding and deemed inadequate to guide vessels due to poor location and design and funds were requested for a more substantial replacement structure. The keeper’s quarters and lighthouse tower were razed in 1858. Bricks from the original lighthouse tower were recycled into several homes in Northport, specifically to replace chimneys. The keeper’s quarters were dismantled, put on a barge, hauled to Northport and reconstructed with a second story added to it. That house remains in Northport today.

In 1858, the Grand Traverse Light Station, also known as the Cat Head Point Lighthouse, was constructed as a replacement for the original lighthouse further out on the point and with a



The GMP planning team at a trailhead

stronger lens for better visibility. In the early days of the U.S. Lighthouse Service, lard and sperm oil were used for fueling the lamps, and being relatively non-volatile, the oil was stored in the oil room on the main floor of the lighthouse, which is now the keeper's bedroom. With a change to the more volatile kerosene and following a number of dwelling fires throughout the U.S. Lighthouse Service system, a separate brick oil storage building was erected in 1895. In 1899, a Fog Signal Station was added to the complex to better serve the ships. Further modifications were subsequently made to the lighthouse building to accommodate an additional lighthouse attendant to help with the added work the fog signal created. The station remained in operation until 1972, when it was replaced with an automated beacon on a steel skeletal tower.

The U.S. government deeded 31 acres of surplus lighthouse property to the Michigan Conservation Commission for park purposes in 1932, retaining 16 acres for lighthouse use. After improvements and the development of a campground, the site, then known as the Northport Site or Northport State Park, was leased to Leelanau Township in 1947. The township managed the land until 1974, at which time, the park featured a 42-site rustic campground, picnic area, playground, and parking lot.

In 1963, the purchase of 364 acres, with one mile of Lake Michigan frontage, was approved by the Commission in response to a National Park Service report recommending the site for preservation and public recreation. A 1960 Michigan Natural Areas Council report also highlighted the special features of the area, describing it as "one of the few remaining undisturbed duneland areas typical of those which were once so common along the shorelines of the Great Lakes". Following this purchase, Leelanau State Park (then 450 acres) was officially dedicated in 1964.

In 1976, the first Leelanau State Park Master Plan was approved for the park, which had then reached 784 acres in size including land leased from the federal government encompassing the lighthouse complex. The plan proposed separating the park into two administrative units, with the hopes of further land acquisition. The Lighthouse Unit was to receive facility renovations that would not alter the area's rustic atmosphere. This unit featured the lighthouse, campground, and allowed for beach access. Plans included adding an additional parking lot, opening a portion of the lighthouse to the public, establishing walking trails, and improving campground conditions. It was recommended that the Lighthouse Unit be closed to hunting due to the development and traffic of the area.

The second unit, the Cathead Bay Unit, was proposed as a hunting area with plans for seven miles of trails. A scout building within the Lighthouse Unit was to be moved to the

Cathead Bay Unit, near Mud Lake, and the surrounding area would be turned into an organizational campground. It was proposed that park manager housing would be established near this area as well. The organizational camp and the manager's housing were not implemented. Other planned improvements for the Cathead Bay Unit included parking lots with vault toilets and hand-pump water spigots for visitors. The renovations proposed in the plan were intended to allow the park to accommodate no more than 900 visitors at a time between the two units.

The 16-acre lighthouse complex was leased to the state from 1974 until 2003 when the U.S. Department of the Interior transferred the area to the State of Michigan. The buildings stood vacant until 1984 when the Grand Traverse Lighthouse Foundation (now known as the Grand Traverse Lighthouse Museum, a non-profit corporation) organized with the intention of preserving the buildings and opening them to the public. The Women's Club of Northport was instrumental in promoting interest in the lighthouse and formation of the foundation. After renovation, the station was opened as a museum in 1987. The Grand Traverse Lighthouse, Fog Signal Building, Garage, Oil House, and surrounding land is leased to and operated by the Grand Traverse Lighthouse Museum.

Leelanau State Park has continued to grow since the 1976 Master Plan was approved. Additional land was acquired in both units through gifts and grant purchases (see A.5, Land Ownership). In 1978, the Michigan Natural Areas Council recommended dedication of a portion of the Cathead Bay Area as a natural area. At the time, this was not supported by the Parks Division, believing that the Master Plan provided adequate protection and that designation would not be compatible with existing recreational uses. This proposal remains as "pending."

Over the years, park facilities have remained relatively unchanged and rustic in nature. In 1993, two mini cabins were developed in the campground and another one added in 2006. The latter was moved from the DH Day Campground and used as the contact station before being converted to a cabin. A new playground was added at the day use area in the fall of 2019, with the assistance of funds raised by the Friends of Leelanau State Park and labor by volunteers with Michigan Cares for Tourism.

## A.5 Land Ownership

### Funding Sources

The lands that comprise Leelanau State Park were acquired by the state through a variety of funding sources. Often, conditions attached to the original funding source or other details of the property transaction encumber the future use or disposition of the land.

The primary funds used to purchase land in Leelanau State Park include the Old Recreation Bond Fund, the Michigan Natural Resource Trust Fund, and the Federal Land and Water Conservation Fund. Numerous parcels of this park were purchased using multiple funding sources in conjunction with special legislation funding for the purpose of public recreation, wildlife management, and resource protection. The funding source map at the end of Appendix A identifies the sources used in acquiring land within Leelanau State Park. The following outlines in more detail each funding source associated with the park.

### Federal Government Land Patent

The 16.37-acre Grand Traverse Light Station Reservation was transferred to the DNR from the Federal government in 2003 under the Recreation and Public Purposes Act, 1926. The United States retains mineral rights and certain rights relating to access, operating and maintaining aids to navigation, and historical artifacts (see Appendix D). The property must be maintained consistent with the provisions of the National Historic Preservation Act of 1966, as amended.

### State Game Fund

Public Act (PA) 17 of 1921 established a funding source for land purchased with revenue from a \$1.50 tax on hunting licenses. Land purchased with this fund is primarily intended for hunting and fishing purposes and the development of other recreation facilities is restricted. Approximately 122 acres of land was purchased using the State Game Fund west of Mud Lake in 1964.

### Recreation Bond Fund

Lands purchased using the Recreation Bond Fund, as directed by PA 257 of 1968, must be used for the purpose of public recreation. Over 600 acres in the central portion of the park were purchased using Recreation Bond Fund, primarily as a match for Land and Water Conservation Fund between 1975 and 1982.

### Land Exchange Facilitation Fund (LEFF)

Land purchased through general real estate powers, with non-game sub fund, under Part 21, Subpart 10, PA 451 of 1994, as amended. This fund was used to purchase 21.5 acres of land.

### Federal Land and Water Conservation Fund

The Land and Water Conservation Fund (LWCF) is a federal program administered in Michigan by the Department of Natural Resources on behalf of the National Park Service under Part 703, PA 451 of 1994 as amended. Lands purchased using LWCF funding must be used for public outdoor recreation purposes and resource protection. These funds were partially used, with matching funds from the Recreation Bond Fund and some from Special Legislation, to purchase 578 acres. See table below for more information on these grants.

### Michigan Land Trust Fund

The “Kammer Recreational Land Trust Fund Act of 1976” (PA 204 of 1976) created the Michigan Land Trust Fund (MLTF) program to provide a source of funding for the public acquisition of lands for resource protection and public outdoor recreation. Funding was derived from royalties on the sale and lease of State-owned mineral rights. This fund was replaced by the Michigan Natural Resources Trust Fund in 1984. Two parcels, totaling 54 acres, were purchased using MLTF in 1982.

### Michigan Natural Resources Trust Fund

The Michigan Natural Resources Trust Fund (MNRTF) was created by a state constitutional amendment in 1984, which required that oil, gas, and other mineral lease and royalty payments be placed into the Trust Fund, with proceeds used to both acquire and develop public recreation lands. To implement the constitutional amendment, the Legislature passed the Michigan Natural Resources Trust Fund Act of 1985 (PA 101 of 1985). The MNRTF was used to purchase 222 acres scattered across Leelanau State Park including land south and east of the lighthouse complex and land east and north of Mud Lake. In 2008, a 42-acre perpetual conservation easement was purchased from Leelanau Conservancy for public recreation access.

### Special Legislation

Acquisitions for park purposes through this source are tied to specific funding established by the legislature established under PA 27 and PA 50 of 1944. Approximately 592 acres were purchased using Special Legislation. A portion of this acreage was purchased in conjunction with the Federal Land and Water Conservation Fund.

**Gift**

Several parcels of land were acquired through gifts. The Nature Conservancy donated 1.06 acres of land near Mud Lake and a platted section of approximately 4,680 square feet near Lake Michigan. A gift of \$125,820 from the Leelanau Conservancy assisted in the purchase of approximately 41.5 acres of land. A 33.56-acre parcel of land located northeast of Mud Lake was donated to the park by James and Marilyn Cavanaugh in 1980.

**Tax Reversion**

The state acquired the balance of the land through reversion due to non-payment of taxes. A section of land at the southern tip of Leelanau State Park was acquired as tax reverted lands in 1961.

**Granted Easements**

The following easements grant access or construction rights in Leelanau State Park. The documentation was obtained through the DNR’s Land Ownership Tracking System and may not be complete.

There are two granted easements on a 16-acre parcel in the Lighthouse Point Unit. These are to the Leelanau County Road Commission (for the purpose of constructing and maintaining a highway), and Oceana Electric Company (for an overhead electric line).

**State and Federal Grants**

The following table provides additional information on MNRTF and LWCF grants that were received for either land acquisition or development.

STATE AND FEDERAL GRANTS				
GRANT NUMBER	YEAR	TITLE	AMOUNT	DESCRIPTION
TF06-142	2006	Leelanau State Park Acquisition	\$2,043,800.00	Acquisition of 51 acres, including 1,400 feet of Lake Michigan shoreline, northern forest and wetlands. (South end of the park with walking trails and beach)
TF05-147	2005	Lighthouse West Property Conservation Easement	\$330,000.00	Acquisition of a conservation and access easement on 42 acres with 640 feet of Lake Michigan shoreline, adjacent to the Leelanau State Park.
TF04-181	2004	Lighthouse West Property/Leelanau State Park	\$630,000.00	Purchase of a conservation easement on 42 acres and 640 feet of Lake Michigan shoreline
26-00624	1975	Leelanau State Park Acquisition	\$93,914.99	Acquire 293.62 acres for outdoor recreation (Main park acquisition including camping and day use)
26-00808	1976	Leelanau State Park Acquisition	\$85,121.42	Acquire 338 acres for public outdoor recreation (Main park acquisition including camping and day use)
26-01625	2004	Leelanau State Park Day Use Improvements	\$160,000.00	Construct new entrance, roadway, parking lot, contact station and associated utilities to improve access, traffic flow and safety.

**Acquired Easements**

The DNR purchased a 42-acre conservation easement at the Lighthouse West property from the Leelanau Conservancy (split within two parcels) including development rights, hunting rights, and public recreation access easements. The easement is subject to an agreement that outlines permitted uses and management of the property (see Appendix D).

**Lease**

The DNR entered into a lease with the Grand Traverse Lighthouse Museum in September of 2003 to allow for the operations and management of the Grand Traverse Lighthouse, Fog Signal Building, Garage and Oil House and the surrounding grounds on the 16-acre parcel.

**Mineral Rights**

The DNR owns the mineral rights for most of the land within the park with the exception of:

- 41.50 acres acquired in 2012 in the northern part of the park
- 16.37-acre Grand Traverse Lighthouse parcel

### A.6 Legal Mandates

For all park general management plans, legal mandates are identified that serve to further guide the development of the general management plan and subsequent action plans. For our planning purposes, the term “Legal Mandates” refers not only to federal and state law, but also the administrative tools of “Policy” and “Directive” of the Natural Resource Commission, the Department, and the Parks & Recreation Division. Examples include Orders of the Director, Park and Recreation Areas State Land Rules and all other laws, commission orders, and rules or directives that apply to the park.

Specific to Leelanau State Park, the following legal mandates have been identified.

FEDERAL STATUTE
ENDANGERED SPECIES ACT, 1973
This Act authorizes the determination and listing of species as endangered and threatened, and prohibits unauthorized taking, possession, sale and transport of endangered species
BALD AND GOLDEN EAGLE PROTECTION ACT, 1940 AND AMENDMENTS
This Act prohibits anyone, without a permit issued by the Secretary of the Interior, from “taking” bald eagles, including their parts, nests, or eggs. The Act defines “take” as “pursue, shoot, shoot at, poison, wound, kill, capture, trap, collect, molest or disturb.” “Disturb” includes actions that may result in injury to the eagle, a decrease in its productivity or nest abandonment.
NATIONAL HISTORIC PRESERVATION ACT, 1966 AS AMENDED
This is the primary federal law governing the preservation of cultural and historic resources in the United States. The law establishes a national preservation program and a system of procedural protections which encourage the identification and protection of cultural and historic resources of national, state, tribal and local significance.



Trillium blooming in the woods

STATE STATUTE	
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (NREPA) AND AMENDMENTS	
PA 451 OF 1994, PART 5	Gives the DNR authority to make rules to support its mission. This includes State Land Rules, Land Use Orders, Wildlife Conservation Orders, Fisheries Orders and Watercraft Control.
PA 451 OF 1994, PART 31 WATER RESOURCES PROTECTION	Provides authority to EGLE to require a permit for any occupation, construction, filling, or grade change within the 100-year floodplain of a river, stream, drain, or inland lake.
PA 451 OF 1994, PART 301 INLAND LAKES AND STREAMS	Requires a permit from the state (EGLE) to undertake certain activities relating to inland lakes and streams, such as dredging, fill, marinas, structures, alteration of flow, etc.
PA 451 OF 1994, PART 303 WETLANDS PROTECTION	Requires a permit from the state (EGLE) to undertake certain activities in regulated wetlands, such as, dredging, fill, construction or drainage.
PA 451 OF 1994, PART 325 GREAT LAKES SUBMERGED BOTTOMLANDS	A permit is required for all filling, dredging, and placement of permanent structures (i.e., docks, piers, pilings, etc.) below the “ordinary highwater mark” and on all upland channels extending landward of the “ordinary highwater mark” of the Great Lakes.
PA 451 OF 1994, ARTICLE III, CHAPTER 1, PART 351	Allows for the designation of wilderness and natural areas and management of those areas.
PA 451 OF 1994, PART 353 SAND DUNE PROTECTION AND MANAGEMENT	The law defines a “critical dune area” as a geographic area designated in the “atlas of critical dune areas” dated February 1989 that was prepared by the department of natural resources. Sec. 35304. (1) states that: A person shall not initiate a use within a critical dune area unless the person obtains a permit from the local unit of government in which the critical dune area is located or the department (EGLE).
PA 451 OF 1994, PART 365 ENDANGERED SPECIES PROTECTION	Allows for acts necessary for the conservation, protection, restoration, and propagation of endangered and threatened species in cooperation with the federal government pursuant to the Endangered Species Act of 1973.
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION ACT (NREPA) AND AMENDMENTS (CONTINUED)	
PA 451 OF 1994, PART 419 HUNTING AREA CONTROL	Section 324.41901 establishes the powers of the Department to establish safety zones for hunting.
PA 451 OF 1994, PART 741 STATE PARK SYSTEM	The department shall create, maintain, operate, promote, and make available for public use and enjoyment a system of state parks to preserve and protect Michigan’s significant natural resources and areas of natural beauty or historic significance, to provide open space for public recreation, and to provide an opportunity to understand Michigan’s natural resources and the need to protect and manage those resources.
PA 35 OF 2010, PART 741 RECREATION PASSPORT	This act amended the Michigan Motor Vehicle Code to provide for a State Park and State-operated public boating access site “Recreation Passport” that a Michigan resident may obtain by paying an additional fee when registering a motor vehicle.
PA 451 OF 1994, PART 761 ABORIGINAL RECORDS AND ANTIQUITIES	The state reserves the exclusive right and privilege to all aboriginal records and other antiquities including those found on the bottomlands of the Great Lakes.

PUBLIC HEALTH CODE	
PA 368 OF 1978, PART 125, CAMPGROUNDS, SWIMMING AREAS AND SWIMMERS’ ITCH	Established to protect and promote the public health by establishing health code requirements and regulations that all public (including DNR) and private campgrounds must meet. Includes permitting, licensing, inspections and rules regarding sanitation, safety standards and public health. Also covers testing and evaluating quality of water at bathing beaches, safety, and rescue equipment.

**Orders**

The following Orders apply to Leelanau State Park.

## LAND USE ORDERS OF THE DIRECTOR

### 5.7 CERTAIN ENVIRONMENTALLY SENSITIVE AND PIPING PLOVER NESTING AREAS, PROHIBITED CONDUCT, EXCEPTIONS.

Order 5.7 (1) A person shall not do any of the following:

(b) Enter, use, or occupy any of the following described state-owned lands, as posted, from April 15 through August 31 except with proper written permission:

(iv) Leelanau SP- state-owned lands in Section 6, T32N R10W, and Sections 12-14, T32N R11W, Leelanau County.

(c) Possess a dog or allow a dog to enter into or upon state-owned lands, as posted, from April 15 through August 31 at Waugoshance Point, Sturgeon Bay, Leelanau SP, or Fisherman's Island SP, being all or portions of Sections 23, 24, and the Temperance Islands, T39N R6W; Sections 19-21, 29-30, and 32, T39N R5W; Section 13, T38N R6W; Sections 5, 7-8, and 18, T38N R5W; and Sections 33 and 34, T38N R6W; Emmet County; Section 1, T33N R9W, Charlevoix County; and Sections 7 and 13, T32N R11W, Leelanau County

(2) This order is provided to protect environmentally sensitive areas and piping plover nesting areas from disturbance and destruction.

## WILDLIFE CONSERVATION ORDERS

Wildlife is owned by all the people of the state of Michigan, and protection is administered and managed by the Michigan DNR. Hunting and trapping regulations including methods of take, bag limits, license quotas, and season dates are established by the Natural Resources Commission (NRC) and are described in the Wildlife Conservation Orders.

### 7.19 LEELANAU STATE PARK, HUNTING AND TRAPPING ALLOWED, EXCEPTION.

Sec. 7.19 Hunting and trapping shall be allowed during the established seasons on all state-owned lands within the dedicated boundary of Leelanau state park in sections 7, 18, and 19 T32N R10W, and in sections 12, 13 and 24, T32N R11W, except the entire state park shall be closed to the taking of waterfowl from September 1 through Labor day.

## STATE LAND RULES

Parks and Recreation Areas – State Land Rules are issued by authority conferred on the Michigan DNR by Section 504 of 1994 PA 451 MCL 324.504. The rules cover entry, use and occupation of state lands and unlawful acts.

### Consent Decrees

Federal treaties exist between the United States government and tribes residing in Michigan. Although the entire state of Michigan is covered by treaties, only two treaty areas are currently subject to fishing by tribal entities. The Treaty of Washington, signed in 1836, covers the eastern Upper Peninsula and the northern Lower Peninsula of Michigan. The Treaty of La Pointe, signed in 1842, covers the western Upper Peninsula, and areas of northern Wisconsin.

Two Consent Decrees have developed from these treaties. The 2000 Great Lakes Consent Decree is a legal document that defines the extent of tribal rights and describes how the state and the tribes will cooperatively allocate and manage the fisheries resources in the 1836 Treaty-ceded waters of the Great Lakes. The 2006 Inland Consent Decree is a legal document that defines the extent of tribal rights and describes how the state and the tribes will cooperatively manage natural resources and inland treaty rights to hunt, fish, and gather on land ceded to the United States in 1836.

### Michigan Natural Areas Registry

In 1983, the DNR entered into a voluntary agreement with The Nature Conservancy to register the lakeshore area of the Cathed Bay Unit on the Michigan Natural Areas Registry.

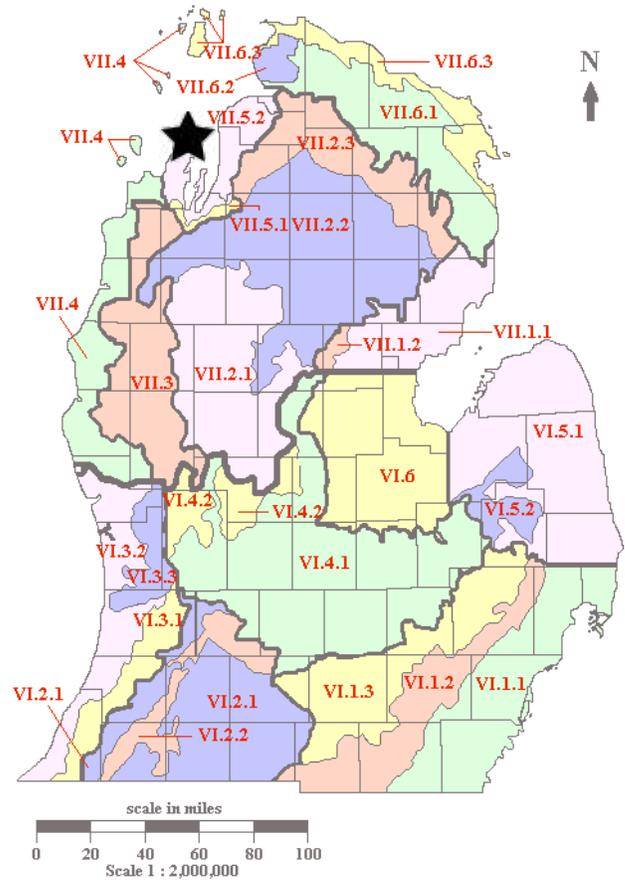
### A.7 Landscape Context and Natural Resources

A regional landscape ecosystem classification has been developed for Michigan, which distinguishes major landscapes based on macroclimate, physiography, soil and vegetation. The following information was obtained from the Regional Ecosystems of Michigan, Minnesota and Wisconsin prepared by Dennis Albert in 1995.

Leelanau State Park is located in the northwestern portion of ecoregion sub-subsection VII.5.2 Leelanau and Grand Traverse Peninsula – Traverse City. The Traverse City sub-subsection is made up of multiple peninsular sections, separated by Grand Traverse Bay and other large inland lakes. Elevation in the Leelanau and Grand Traverse Peninsula subsection ranges from 580 feet to 1,220 feet and land features are influenced by the Great Lakes and the retreat of glaciers with narrow drumlin fields and low sand dunes.

#### Climate

Lake Michigan moderates the climate of this subsection. The region is known for having a climate ideal for farming, with a growing season ranging from 110 (inland) to 150 days (along Lake Michigan), relatively mild thunderstorms and an early, but cool, spring. There is an average annual rainfall of 30 to 34 inches. Proximity to Lake Michigan causes heavy lake-effect snow, with an average of 100 to 140 inches of snowfall annually.

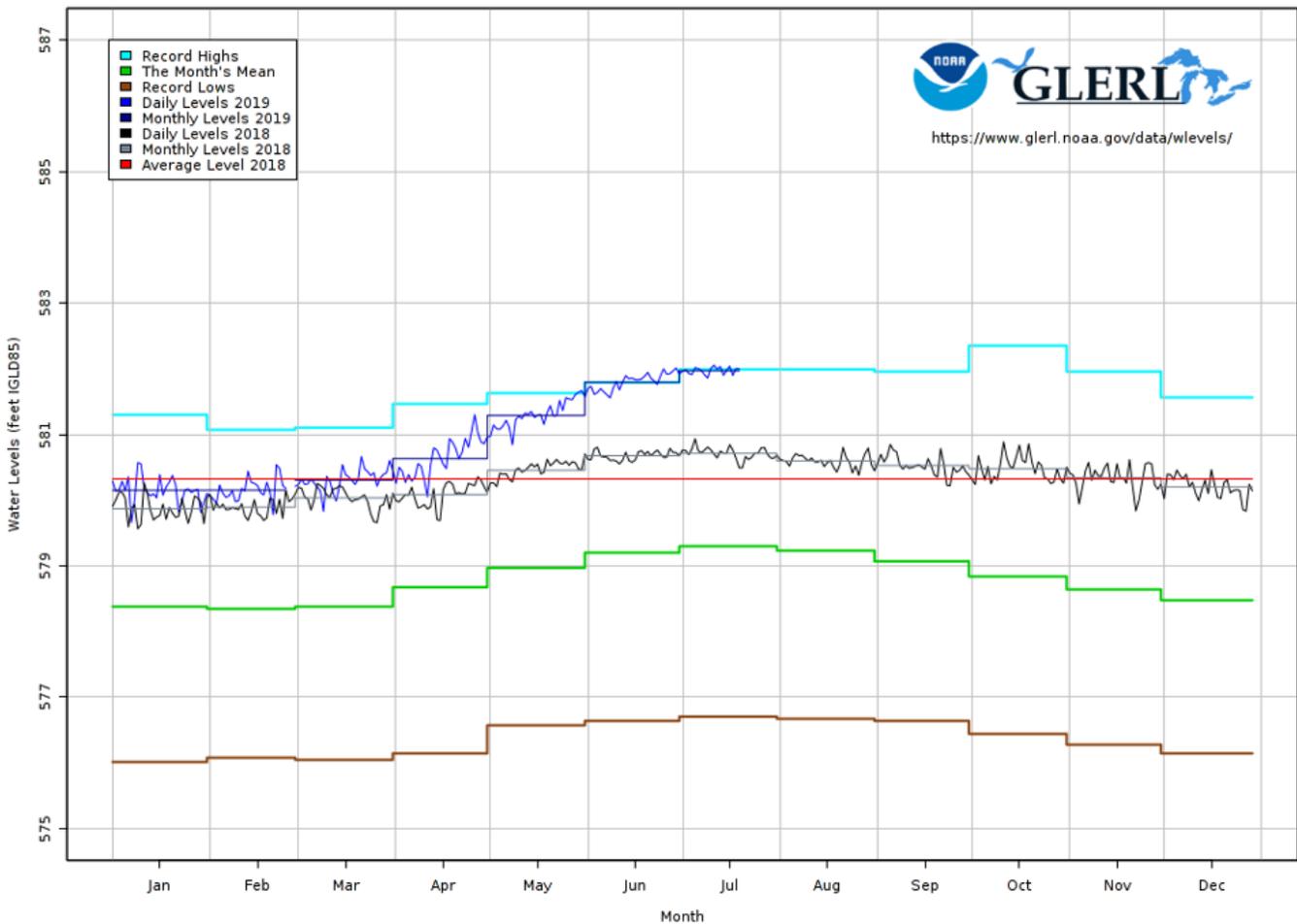


Source: Albert, Dennis A. 1995. Regional landscape ecosystems of Michigan, Minnesota and Wisconsin: a Working Map and Classification.



A view of the dunes and Lake Michigan

Lake Michigan-Huron Water Levels from Harbor Beach, MI - 9075014 2018 - 2019  
As of End of Day 07/20/2019 (Refresh your browser to ensure plot is up to date)



## Water Resources

The Leelanau Peninsula sits between Lake Michigan to the west and Grand Traverse Bay to the east. The park features approximately 2 miles of Lake Michigan shoreline within the Cathead Bay and Lighthouse Point units combined. Leelanau State Park lies within the northern section of the Platte Watershed Basin, and features Mud Lake, a lake with a surface area of approximately 180 acres, surrounded by wetlands.

The Lake Michigan Water level fluctuates seasonally and long-term from a record low of 576.02 feet in January 2013 to a record high of 582.35 feet in 1986. Lake Michigan was within 1 inch of its all-time high for June in 2019 and water levels are expected to continue to rise. Great Lakes levels have been above their monthly average levels since September 2014. Lake Michigan's annual average lake level was 580.24 in 2018, compared to a total mean annual elevation of 578.84. The December 2018 elevation was 4 feet higher than the December low in 2012 of 576.15 feet. This has a big impact on the shoreline area of the park.

The Federal Emergency Management Agency (FEMA) has

established a 100-year flood (a flood which has a 1% chance of occurring any given year) elevation of 584 feet on the Great Lakes.

## Topography

The Lighthouse Point Unit of Leelanau State Park slopes gently up from the lakeshore to an elevation of approximately 660 feet above sea level. The Cathead Bay Unit is characterized by undulating sand dunes rising from 585 feet along the lakeshore to a high elevation of 700 feet. The area around Mud Lake is largely flat.

## Soils

Soil in the Leelanau and Grand Traverse Peninsula subsection shows evidence of glacial activity and predominantly consists of sandy soil on end moraines and gravelly sandy loam derived from till on drumlins. Park soils are dominated by sand, with small areas of sandy loam, loam, loamy sand in the back dunes and some muck in the low-lying areas around Mud Lake. The soils around the lighthouse complex are characterized as gravelly sandy loam.

### Geology and Mineral Resources

The surface geology of the Leelanau Peninsula consists of lacustrine gravel, sand, and clay from the succession of proglacial lakes that preceded Lake Michigan. The glacial sediments are believed to be greater than 200 feet thick across most of the state park. Areas of the Leelanau Peninsula, especially along the lakeshore, are covered by younger (post-glacial) dune sand, and much of the state park is designated as a Critical Dune Area. Michigan's glacial sand and gravel deposits are frequently quarried for construction aggregate. Several active sand and gravel mining operations are located on the Leelanau Peninsula, outside of the park. Dune sands have also been historically mined in Michigan. However, Critical Dune Areas on state land currently cannot be leased for mineral exploration and development.

Bedrock underlying the glacial sediments in the park consists of the Devonian-age Traverse Formation, which is primarily limestone in this area. The Traverse Limestone is mined for aggregate and cement products in other parts of the state where it is near the surface. The Traverse Limestone is also well known for its fossil invertebrate fauna. Fossil corals from the ancient reefs are frequently targeted by rock hounds in the northwest Lower Peninsula of Michigan.

Across Grand Traverse Bay to the east there has been extensive development and production of natural gas from the Antrim Shale. The Antrim Shale is not known to occur beneath the park, and there is no other known oil and gas potential in this area.

The state does not own all the mineral rights within all of the park (see Land Ownership map). Where the state is not the mineral rights owner, the state is required to provide the mineral rights owner reasonable access to the surface for the purpose of mineral exploration and development, if the owner of the mineral estate elects to develop their interest in the property.

### Early 1800s Vegetation

Notes recorded by General Land Office surveyors during the mid-1800s provide insight into the vegetation of Leelanau State Park prior to European settlement. Open dunes, Great Lakes barrens and mesic northern forest dominated the park much as they do today. Primary canopy species on the forest dune included American beech, sugar maple, hemlock and basswood. Eastern hemlock and white pine were also present but did not dominate the canopy. Around Mud Lake and other low areas, northern white cedar and mixed conifer swamps were present. The surveyor notes did not distinguish the boreal forest extant within the park near the tip of the peninsula from other conifer dominated lowlands, but it was likely there. The boreal forest is characterized by conifer and



other species dominant in the Canadian boreal forest. The proximity to the waters of Lake Michigan moderate climate and allow this more northern collection of species to flourish.

### Current Vegetation

Much of current vegetation of the park is very similar to the historic condition, especially the open dune and Great Lakes barrens. Beech-maple mesic northern forest still dominates the forested dune. Most is "second growth" but the trees are large and of considerable age. However, the lethal beech bark disease is wide-spread and soon catastrophic loss of the American beech canopy will fundamentally change the forested dunes. Much of the non-dune portions of the park were farmed, primarily orchards and pastures. Old fields and young forests now dominate these former agricultural areas. Vegetation cover in the back-dune area is more mixed, with areas of emergent and non-forested wetland, lowland coniferous and mixed forest, areas of low-density trees on former agricultural land, and conifer plantations in the eastern area of the park on flatter land. Non-native invasive species such as autumn olive are common.

### Rare Flora and Fauna

Piping plover, a federally-and state-listed endangered shorebird, have nested at the park. The last year the park produced young was in 1998, which was the first time in a decade of nesting that plovers were fledged at the park. It is likely that piping plover will nest at the park in the future, dependent on when Great Lake water levels and coastal dynamics create the broad cobble-strewn beaches preferred by piping plover. The open dunes are home to the state threatened Lake Huron locust. The park has also historically been home to the common loon, which is state-listed as threatened. The last confirmed sighting within Leelanau

State Park was in 2000 on Mud Lake, with the last successful breeding documented in 1996. Bald eagles have nested on the shores of Mud Lake and fish the lake. Other rare birds may potentially occur within the park, including American bittern, merlin, and northern goshawk.

Threatened and endangered plant species observed in the park include state and federally threatened Pitcher’s thistle and state threatened Lake Huron tansy.

RARE FLORA AND FAUNA		
COMMON NAME	SCIENTIFIC NAME	PROTECTION STATUS
Pitcher’s thistle	<i>Cirsium pitcher</i>	State Threatened, Federal Threatened
Lake Huron tansy	<i>Tanacetum huronense</i>	State Threatened
Common loon	<i>Gavia immer</i>	State Threatened
Bald eagle	<i>Haliaeetus leucocephalus</i>	Special Concern
Lake Huron locust	<i>Trimerotropis huroniana</i>	State Threatened
Piping plover	<i>Charadrius melodus</i>	State Endangered, Federal Endangered



Monarch butterfly

**Natural Communities**

Five natural communities of element occurrence quality have been documented by Michigan Natural Features Inventory (MNFI) in Leelanau State Park: boreal forest, open dunes, interdunal wetland, mesic northern forest and Great Lakes barrens. Descriptions of these communities can be found on the MNFI website.

GLOBAL RANK	
NATURAL COMMUNITY	RANK
Boreal Forest	GU
Great Lakes Barrens	G3
Interdunal Wetland	G2?
Mesic Northern Forest	G4
Open dunes	G3

**Natural Areas**

The lakeshore area at Cathead Bay is listed as a Natural Areas Registry site. The Registry promotes preservation through voluntary (non-binding, non-regulatory) agreements between The Nature Conservancy (TNC) and the DNR, requiring the DNR to notify TNC if management practices at these sites are changed.

**Wildlife**

Wildlife habitat at Leelanau State Park is a result of glacial geology and the moderating influence of Lake Michigan. Much of the park is situated on a Large Dune Complex. Sand dune-based communities along the western shore of the peninsula provide a variety of habitats. Mature northern hardwood forests with mesic conifers provide habitat for songbirds like black-throated green warblers, black-and-white warblers, scarlet tanagers and other forest interior species. Look for fresh twigs on the forest floor from the feeding of red squirrels or porcupines. Sharp-shinned hawks and gray fox will patrol the woods for unwary songbirds and the occasional squirrel, chipmunk, or mouse. Other terrestrial prey could include gray treefrogs or northern ringneck snake. Locations where upland conifers dominate, such as cedar, hemlock, white and red pine, will harbor pine siskins, Blackburnian warblers, and provide nest trees for eagles, osprey, red-shouldered hawks, and other raptors. Dense conifers will provide winter thermal cover for white-tailed deer and other species. Dead standing timber will attract woodpeckers and provide homes for owls and other cavity nesters. Emergent and interdunal wetlands, situated in depressions within open dunes, provide habitat for dragonflies, spring peepers, mink, provide habitat for spotted sandpiper nests, and locations for migrating songbirds to forage.



**Young campers watch the sun set**

The spring and fall bird migrations provide excellent opportunities for bird watching by being situated along the Lake Michigan shore and near the tip of the Leelanau Peninsula, which serves to funnel the migrating birds. Large dune complexes often have areas of exposed sand with scattered vegetation where you might find eastern hog-nosed snake, field sparrows, and eastern bluebirds. A stealthy northern harrier may be seen gliding over grassy or barren patches or emergent marshes looking for prey.

Surrounding the dune complex is relative flat topography of variable soils, which support conifer and/or shrub swamps in the lowlands and mainly northern hardwoods in the uplands. There are also several old fields, which are remnants of abandoned farms. Common milkweed, goldenrod, black-eyed Susan, various grasses, raspberry/blackberry patches, and old fruit trees can often be found in these old fields. Visitors to these fields might see white-tailed deer browsing on forbs or apples, and possibly badger excavations in the soil from hunting rodents. American kestrels, northern shrikes, and red-tailed hawks will hunt these openings. Eastern bluebirds may find these sites beneficial for the wealth of invertebrates they provide.

### **Fisheries**

Leelanau State Park is part of the Central Lake Michigan Management Unit, managed by Fisheries Division out of the Traverse City Customer Service Center. Inland fishing opportunities within the park boundaries are limited to shore or kayak fishing on Mud Lake. A shallow and highly eutrophic lake, Mud Lake contains small bluegill, yellow perch, and largemouth bass. Great Lakes fishing opportunities within or in the vicinity of the park boundaries are much more abundant. Shore fishing opportunities exist for anglers looking to wade the Lake Michigan nearshore areas and target smallmouth bass from May through mid-July. For anglers who bring boats, nearby boat launches provide access to Northport Bay, West Grand Traverse Bay, and Cathead Bay. Northport Bay boasts a popular spring walleye and yellow perch fishery. West Grand Traverse Bay is known for its abundant smallmouth bass, lake trout, and cisco fisheries in the spring and summer, as well as Chinook and coho salmon in the fall. Cathead Bay is often a popular spot for spring anglers to try trolling for early Chinook salmon, as well as lake trout and cisco.

## A.8 Recreational Resources

### Activities

#### Trails

Approximately 8.5 miles of foot trails are open for hiking, cross-country skiing, and snowshoeing. From the trail head there are two main trails that lead through the park. The Mud Lake Trail (or Orange Trail) travels along the western edge of Mud Lake and through wooded areas. A section of the Mud Lake Trail is ADA compliant and accessible. The Lake Michigan Trail (or Blue Trail) leads to a Lake Michigan scenic overlook or transitions into the Cathead Bay Trail, taking hikers down to the beach to enjoy the view, search for Petoskey stones, or enjoy the water. Leelanau State Park also hosts four miles of groomed, seasonal trails for winter recreation.

#### Hunting & Trapping

Hunting and trapping are allowed throughout the majority of the park. The park has opportunities for deer, rabbit, woodcock, duck, goose, and squirrel hunting, and trapping of aquatic furbearers around Mud Lake. Terrain includes mature hardwood forest, open meadows, and open brush land.

#### Wildlife Watching

Leelanau State Park is home to a wide variety of wildlife. Visitors may view deer, porcupine, raccoon, and eagles. Michigan sits within the Mississippi flyway and the western portion of the Atlantic flyway, making the park, situated on Lake Michigan, a key location for viewing migratory birds, especially in the spring when raptors move through the area. The park's shoreline is a protected area, home to nesting habitat for piping plover.



Winter fat tire bicycling



The view from a tent on the lakeshore

### Facilities

#### Grand Traverse Lighthouse

Restored and transformed into a museum, the Grand Traverse Lighthouse includes exhibits illustrating the life of a lighthouse keeper and family in the 1920s and 1930s. Visitors may climb the lighthouse tower, see a demonstration of the working fog horn, view historic and educational exhibitions, and visit the gift shop. The Fog Horn Building and gift shop are ADA accessible facilities, but the lighthouse itself is not. The lighthouse is operated by the Grand Traverse Lighthouse Museum non-profit and there is a fee to enter.

#### Rustic Campground

Rustic campsites have access to spigots with potable water and there are several vault toilets throughout the campground. There are 51 sites which feature varying levels of shade, grass, and gravel and may be open to tents, truck campers, and trailers or RVs up to 35-feet, depending on site condition. Each site has a picnic table and fire pit. No sites include electric or water hookup and there are no modern restrooms or showers.

## A.9 Historic and Cultural Resources

### Historic Structures

The Grand Traverse Light Station now standing on the site (also known as the Cat Head Point Lighthouse) was in operation from 1858 until 1972, when a steel skeletal tower with an automated beacon was erected. The station and associated buildings were listed in the National Register of Historic Places in 1984 (#84001799). In 1990, the station was added to the state register.

The lighthouse consists of a two-story, rectangular, brick, lightkeeper’s dwelling with a light tower topped by a cast iron lantern room extending from the roof. The fourth-order Fresnel lens is no longer in place, and its current location is unknown. A lens from the Alpena lighthouse is on loan from the U.S. Coast Guard and is displayed on the second floor. The lighthouse living quarters have been restored to a period in history with some furniture and artifacts original to the lighthouse and other pieces donated by family members of the former lighthouse keepers and others.

Other buildings include a rectangular, brick fog building constructed in 1899. None of the fog signal apparatus is extant: the boilers were dismantled and buried on site. A small rectangular brick oil house has also survived, and the garage now houses the museum gift shop.

EXISTING HISTORIC STRUCTURES	
STRUCTURE	DTMB TAG #
Lighthouse	84396
Keepers Dwelling	84396
Fog Signal Building	84271
Garage / Gift Shop	84273
Oil House (Shed)	84398

### Archaeological Resources

A comprehensive archaeological survey has not been completed for the entire park. There are known archaeological sites from the historic period which have not been formally documented by SHPO. There are two documented archaeological sites within Leelanau State Park:

- Prehistoric site of undetermined age or occupation type
- Foundation of the original Grand Traverse or Cat Head lighthouse in the northern part of the park

Additionally, there are unconfirmed reports of lithic scatter within the park. There is also the potential for additional sites, as land has been added to the park. A potentially historic apple orchard is located within the park and may be associated with a homestead.



Aerial view of Lighthouse Fog Signal Building. Photo courtesy of Grand Traverse Lighthouse Museum, 2011.

### Mini Cabins

Three mini cabins are located in the Leelanau State Park campground: Evergreen, Hemlock, and Cedar. Cabins are ADA accessible and capable of sleeping five people with two bunk beds, with one bed being a double bunk. The Hemlock and Cedar mini cabins allow up to two pets while the Evergreen cabin must remain pet-free. An extra fee is charged for pets. Each cabin has electricity and is equipped with a mini-fridge, microwave, and electric wall heater. Outside the cabins, visitors will find Adirondack chairs, a picnic table, a fire pit, and a grill for cooking.

### Picnic Area

Picnic tables are available for day use and includes grills for cooking. An ADA accessible picnic shelter is available for day use and reservations may be made. The picnic shelter is pet friendly and features, picnic tables, parking, and 20-amp electrical service (available only with rental).

### Playground

Located in the day use area one can find a swing set, tetherball, volleyball, horseshoes, and hammock posts. A new playground was constructed with assistance from the Friends of Leelanau State Park in the fall of 2019. This ADA accessible playground is located behind the pavilion and features slides, a crow’s nest with telescope, balance beam, log climber and nature panels.

### A.10 Education, Interpretation, Programming and Events

The Grand Traverse Lighthouse Museum features period restoration of the lighthouse dwelling with permanent and temporary exhibits. Currently, exhibits include history of Grand Traverse Light, Shipwrecks of Leelanau, and information on the U.S. Lighthouse Service (which was absorbed into the U.S. Coast Guard) and the lighthouse keepers that lived and worked at Grand Traverse. Admission to the lighthouse includes a self-guided tour, with guided tours available to groups if reserved in advance.

Leelanau State Park hosts a variety of different events throughout the year, including:

#### Park Events

- Meteors and S'mores in August: The events are planned to take advantage of the Perseid meteor shower's peak
- Fireworks Free Fourth: The DNR and the Michigan Veterans Affairs Agency are highlighting quieter camping options over the Fourth of July weekend
- Snowshoe hikes: Guided hikes around the park by DNR staff and lighthouse staff

#### Friends of Leelanau State Park Events

- Rock the Light Virtual 5k: Participants sign up to run/walk a 5k anywhere in the world and receive a t-shirt and medal. The proceeds go towards the Friends of Leelanau State Park projects
- Pancake breakfasts: Pancake breakfasts are held each summer with funds going towards Friend Group's projects
- Trail cleanup for National Trails Day: Volunteers come out and help the park staff clean up trails for the season

#### Grand Traverse Lighthouse Events:

- Haunted Lighthouse: Spooktacular fun for people of all ages. The lighthouse will be decorated for a haunting good time.
- Lobster Festival: Fundraiser dinner for Lighthouse projects
- Christmas at the Lighthouse: The lighthouse is decorated for the Christmas season.
- Autism Awareness: The lighthouse is lit up blue with special activities to participate in.
- Shipwreck programs: Programs held to tell the stories of local shipwrecks found around the local area.
- Lighthouse Keeper Program: Visitors can stay in the lighthouse for a week and volunteer with the museum, gift shop and grounds.

### A.11 Park Use Statistics

Park use figures taken from 2018 indicate that Leelanau State Park received around 279,671 day use visitors and approximately 16,118 campers, a significant increase from 2017. Campers are recorded using the reservation system while day use visitors are estimated based on a count of the number of vehicles multiplied by the mean number of people in each vehicle. In 2018, the most popular months for both day use and camping were July through September.

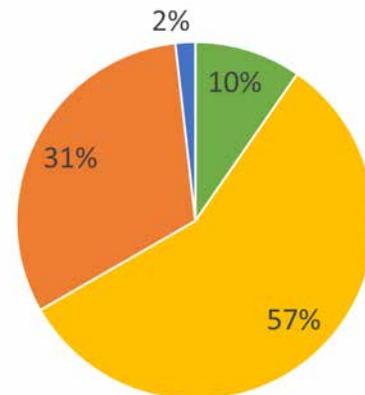
Leelanau State Park attracts both local residents (Traverse City area) and those from further afield, primarily southeast, central and southwest Michigan. A large number of visitors also originate from Chicago.

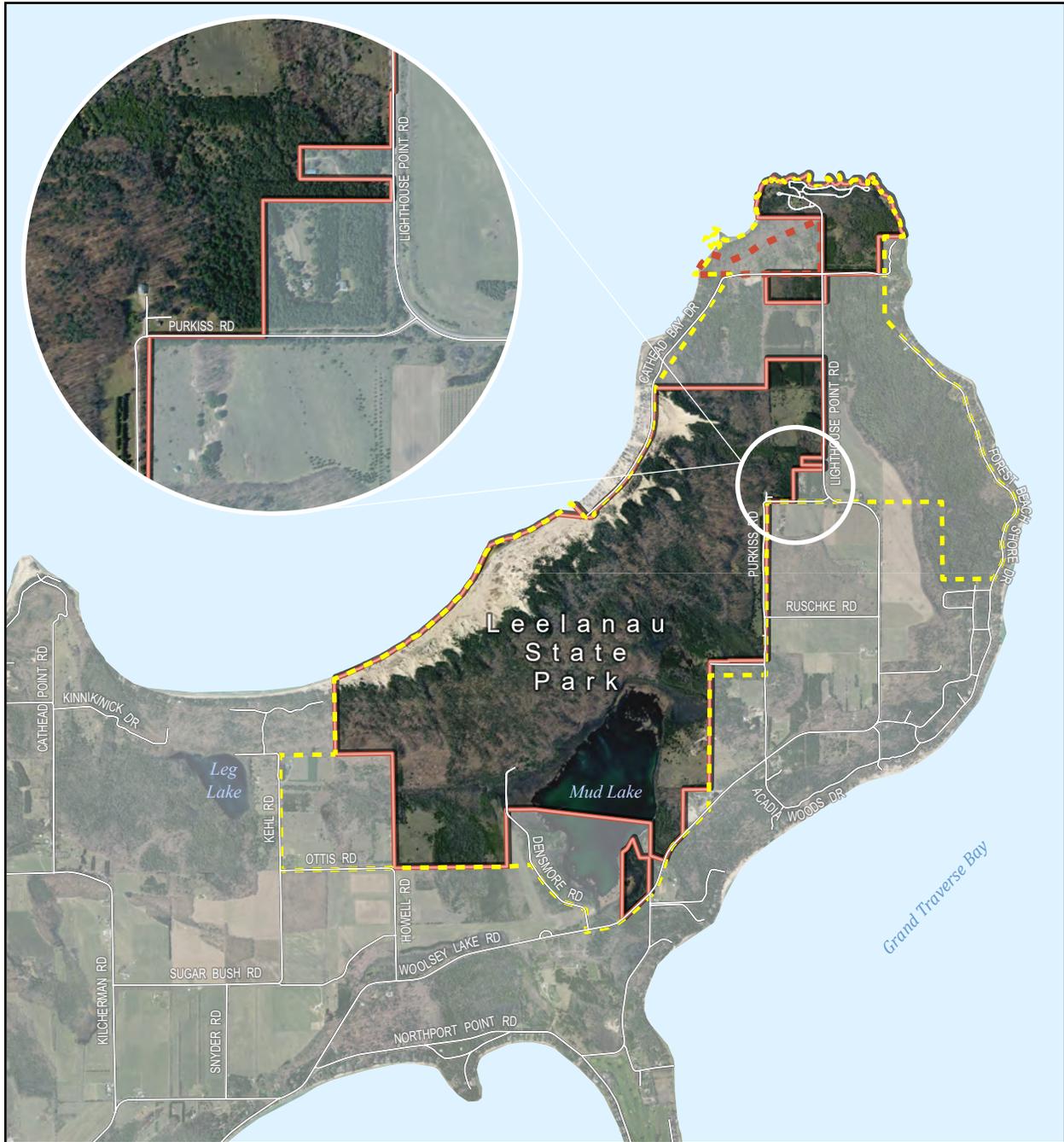
VISITATION DATA				
	2015	2016	2017	2018
CAMPERS	12,899	13,587	14,915	16,118
DAY USE VISITORS	169,404	189,441	241,662	279,671

TOP TEN CITIES FOR CAMPING RESERVATIONS (2017)	
CITY & STATE	NUMBER OF NIGHTS
Grand Rapids, MI	452
Traverse City, MI	166
Kalamazoo, MI	126
Ann Arbor, MI	122
Lansing, MI	94
Midland, MI	72
Chicago, IL	71
Holland, MI	69
Grand Haven, MI	66
Royal Oak, MI	66

### Day-Use Visitation by Season (2018)

- Spring (Mar-May)
- Summer (June-Aug)
- Fall (Sept-Nov)
- Winter (Dec-Feb)





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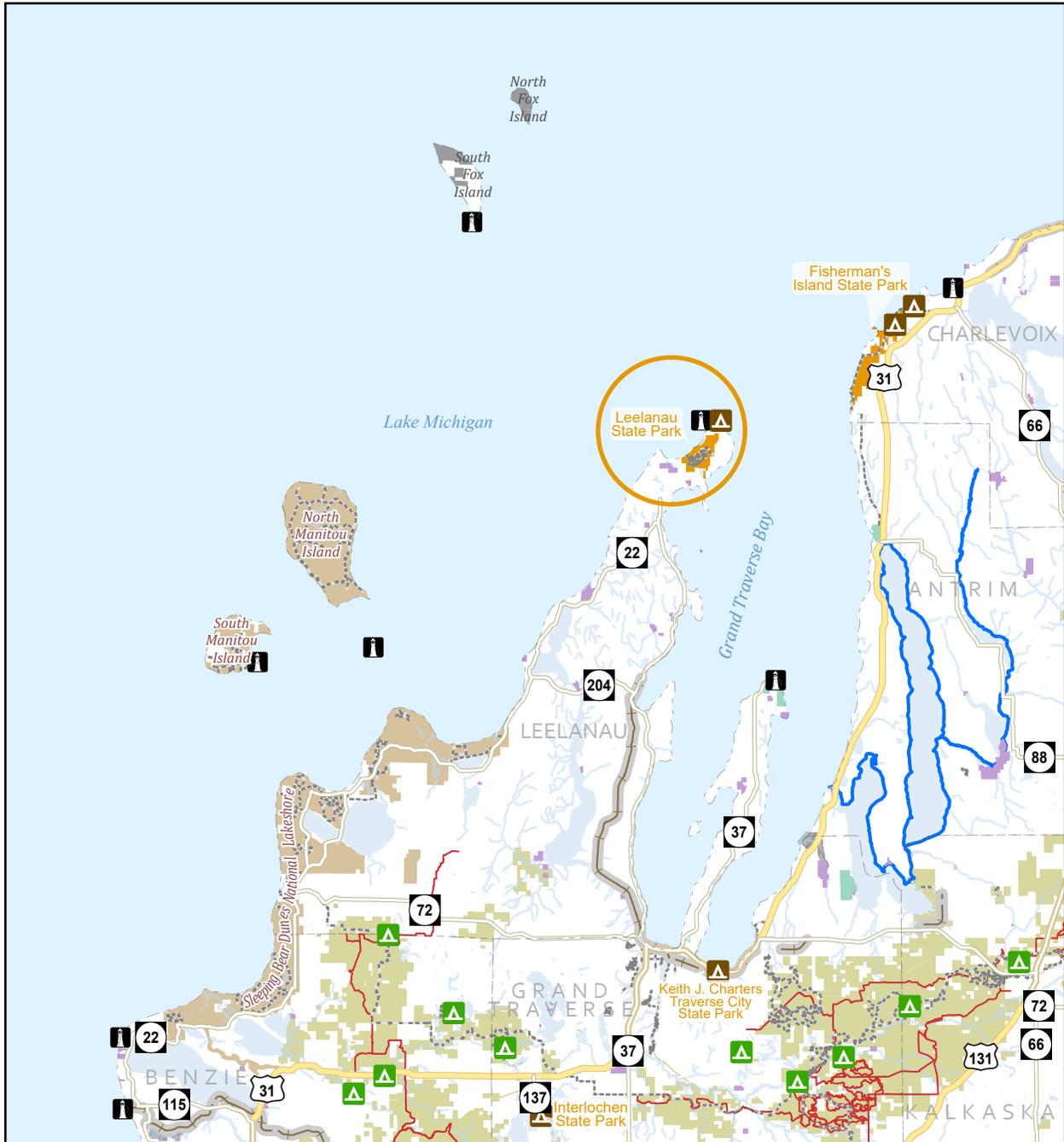
### Leelanau State Park - Park Boundary

-  State Park Boundary
-  NRC 2020 Approved Project Boundary\*
-  Conservation Easement
-  Road



Updated: 02/10/2021

\*A project boundary is a geographic area in which the DNR is seeking to acquire property that supports the mission of the DNR on a willing buyer / willing seller basis, approved by the Natural Resources Commission in 2020



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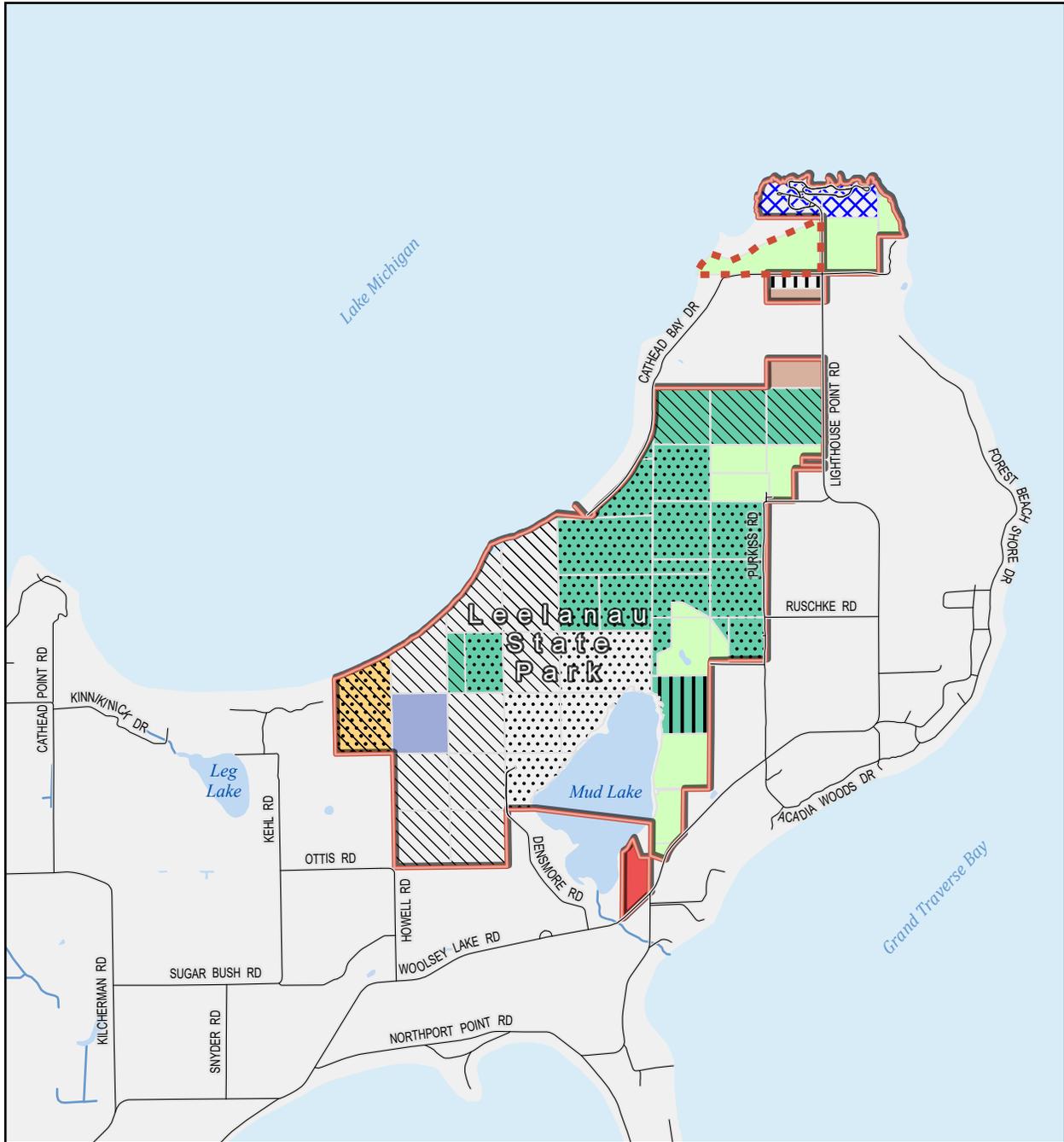
## Regional Recreation Resources



Updated: 03/13/2020

- County Boundary
- State Park
- State Forest
- State Game/Wildlife Management Area
- Federal Lands
- Municipal/County Park
- Nature Reserve
- State Park Campground
- State Forest Campground
- Lighthouse
- Non-motorized Trail
- Motorized Trail
- Designated Water Trail
- Railtrail





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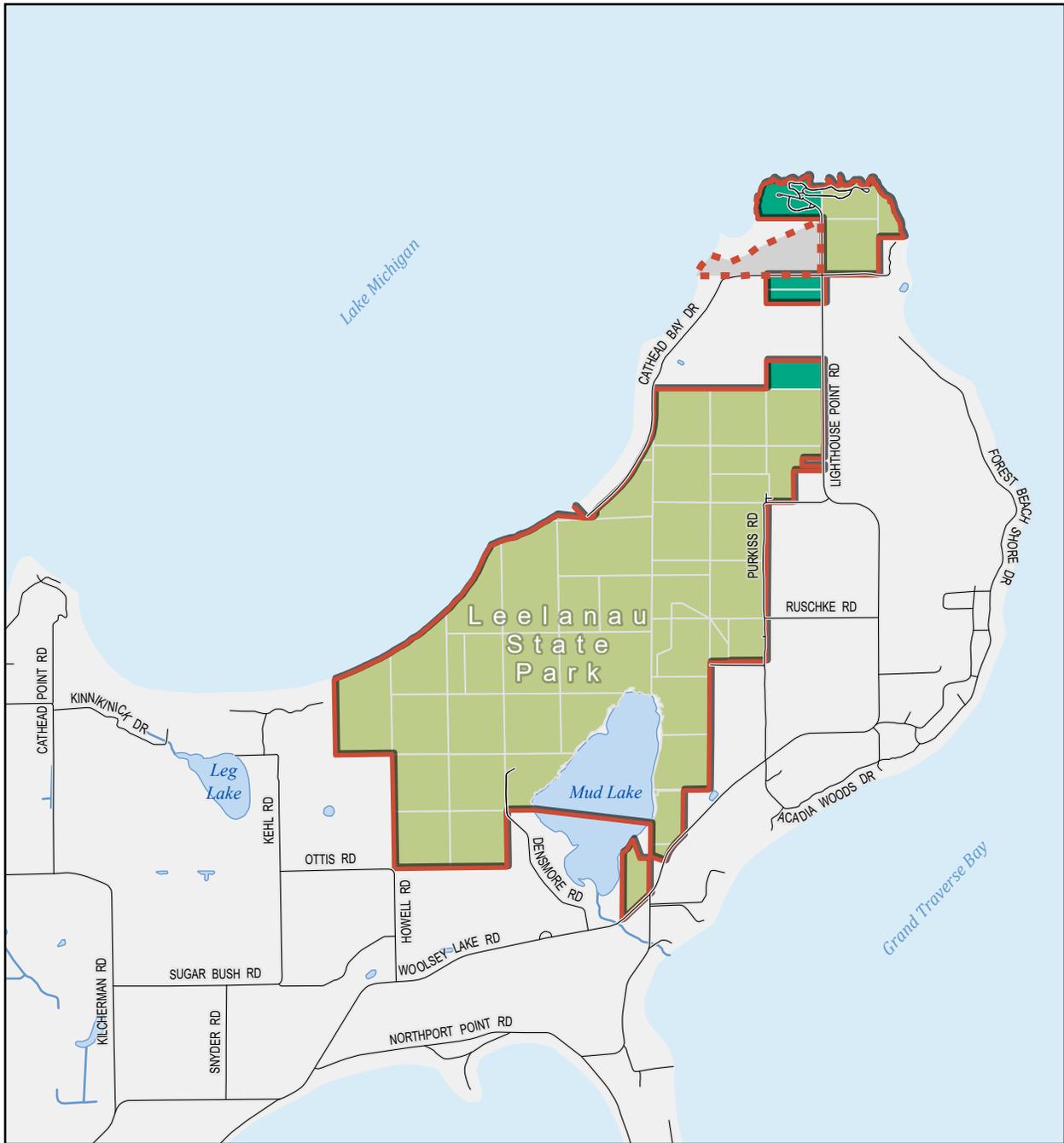


## Leelanau State Park - Funding Sources

- |  |                                       |                       |
|--|---------------------------------------|-----------------------|
| State Park Boundary                      | Gift                                  | Recreation Bond Fund  |
| Conservation Easement                    | Land Exchange Facilitation Fund       | Special Legislation   |
| Road                                     | Michigan Natural Resources Trust Fund | State Game Fund       |
| River/Stream                             | Michigan Land Trust Fund              | Federal Land Transfer |
| Lake/Pond                                |                                       | Tax Reverted Land     |
| Federal Land and Water Conservation Fund |                                       |                       |

Updated: 02/08/2021





MICHIGAN DEPARTMENT OF NATURAL RESOURCES 0 0.75 1.5 Miles

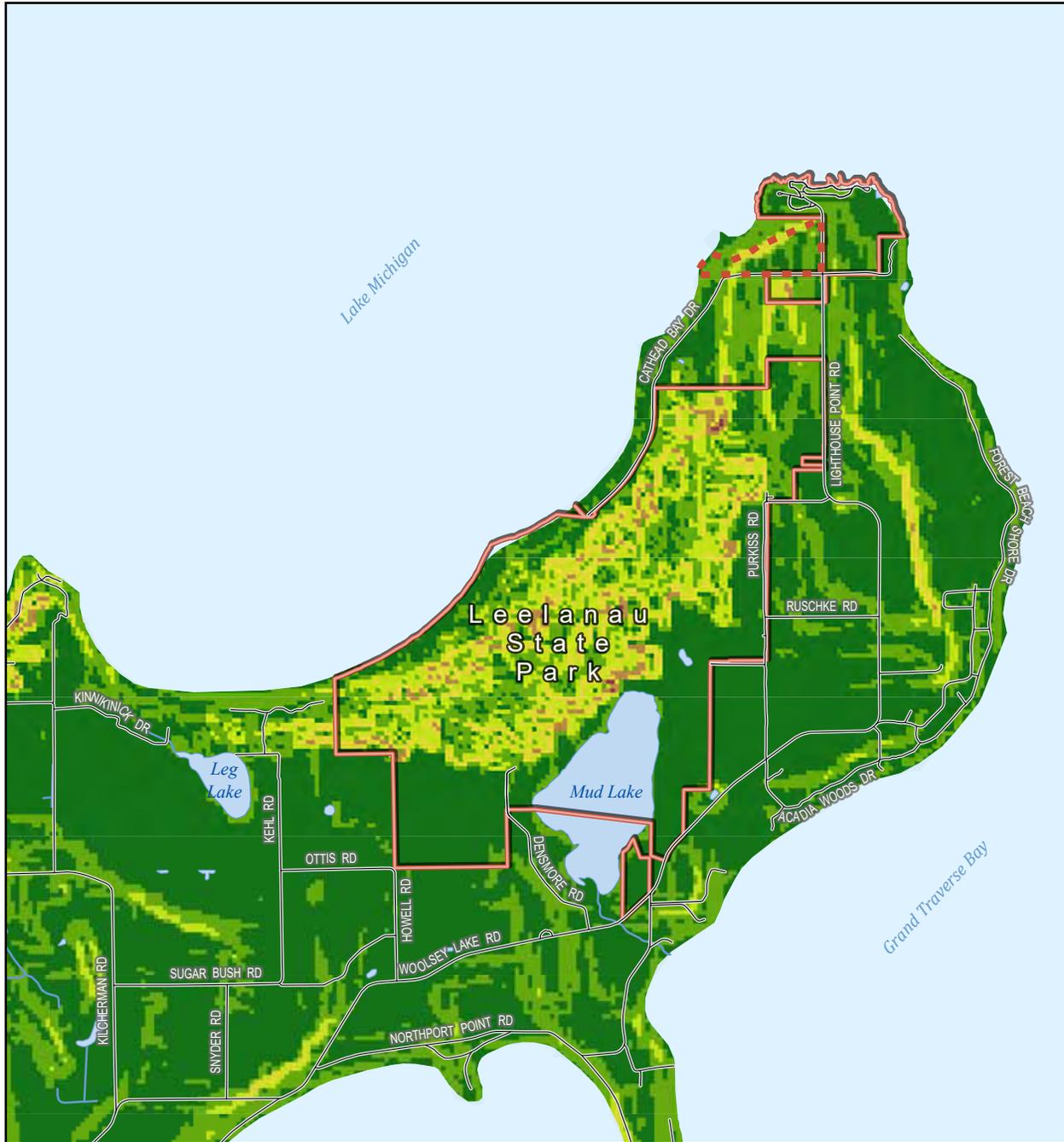


### Leelanau State Park - Ownership Rights

-  State Park Boundary
-  Conservation Easement
-  Road
-  River/Stream
-  Lake/Pond
-  Surface and Mineral Rights
-  Surface Rights
-  Other Rights



Updated: 02/09/2021



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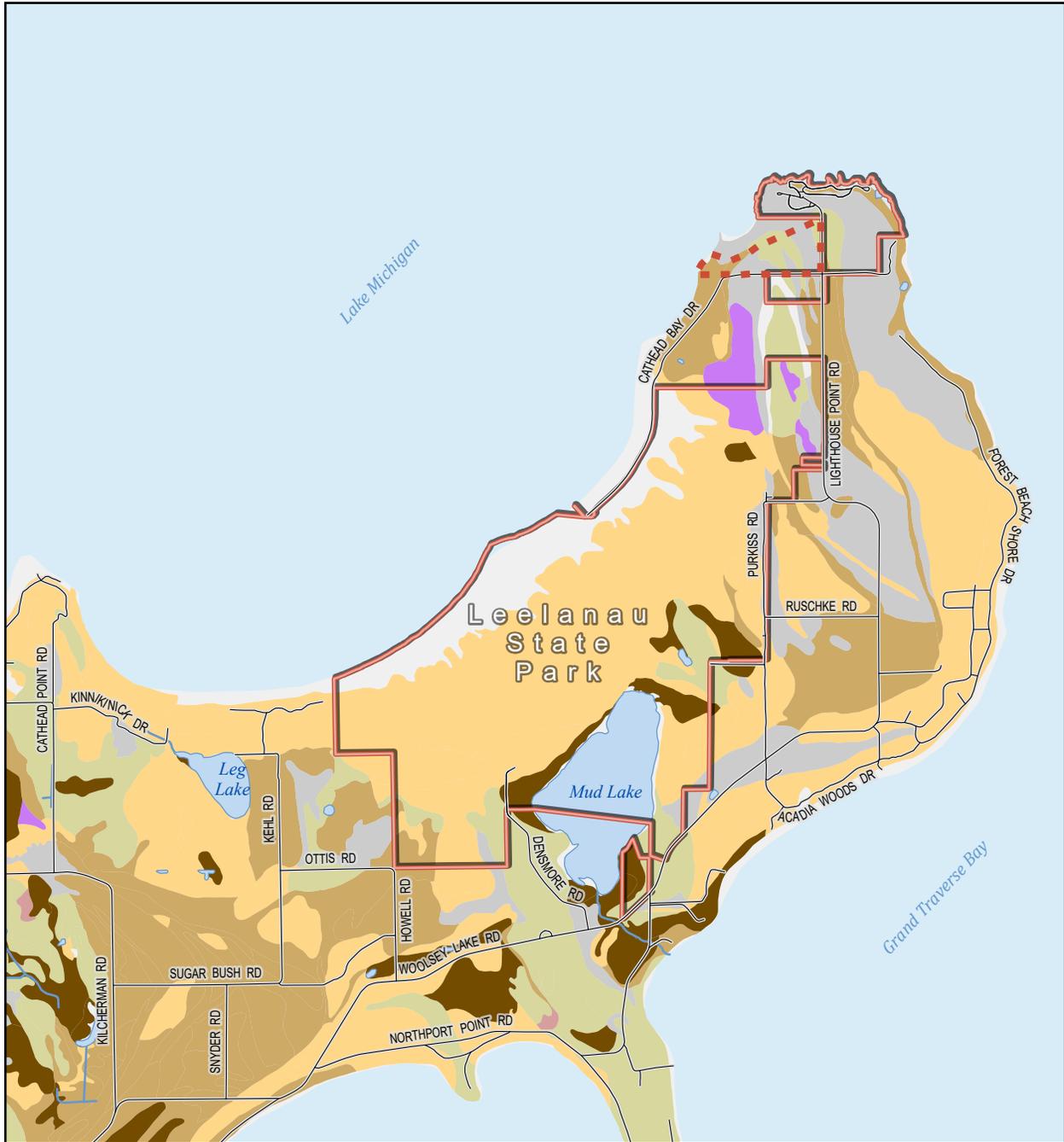


### Leelanau State Park - Topography

- |                       |                |
|-----------------------|----------------|
| State Park Boundary   | Percent Slope* |
| Conservation Easement | 0% – 1%        |
| Road                  | 1.1% – 4%      |
| River/Stream          | 4.1% – 8%      |
| Lake/Pond             | 8.1% – 13%     |
|                       | 13.1% – 21%    |
|                       | 21.1% – 64%    |



Updated: 02/08/2021  
 \*Slope calculated from the 30 meter resolution National Elevation Dataset DEM for Michigan using Arc/Info GRID v9.0



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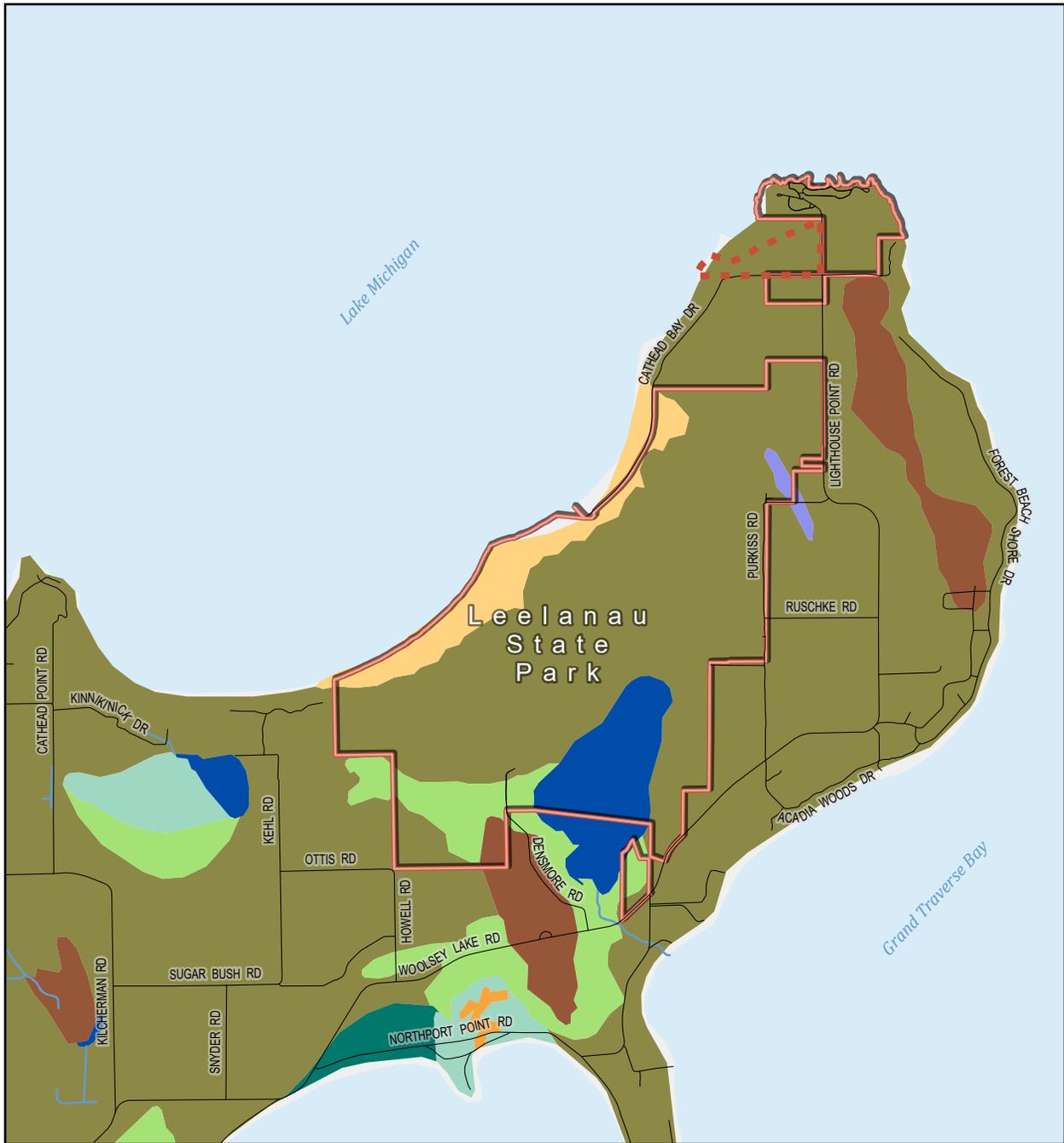
## Leelanau State Park - Soils

- |                       |                     |            |
|-----------------------|---------------------|------------|
| State Park Boundary   | <b>Soils*</b>       | Sandy loam |
| Conservation Easement | Sand                | Loam       |
| Road                  | Loamy sand          | Silt loam  |
| River/Stream          | Gravelly sandy loam | Muck       |
| Lake/Pond             |                     |            |



Updated: 02/02/2021

\*Natural Resource Conservation Service (NRCS) Map Sheets, Soil Survey Geographic (SSURGO) Database, 2000



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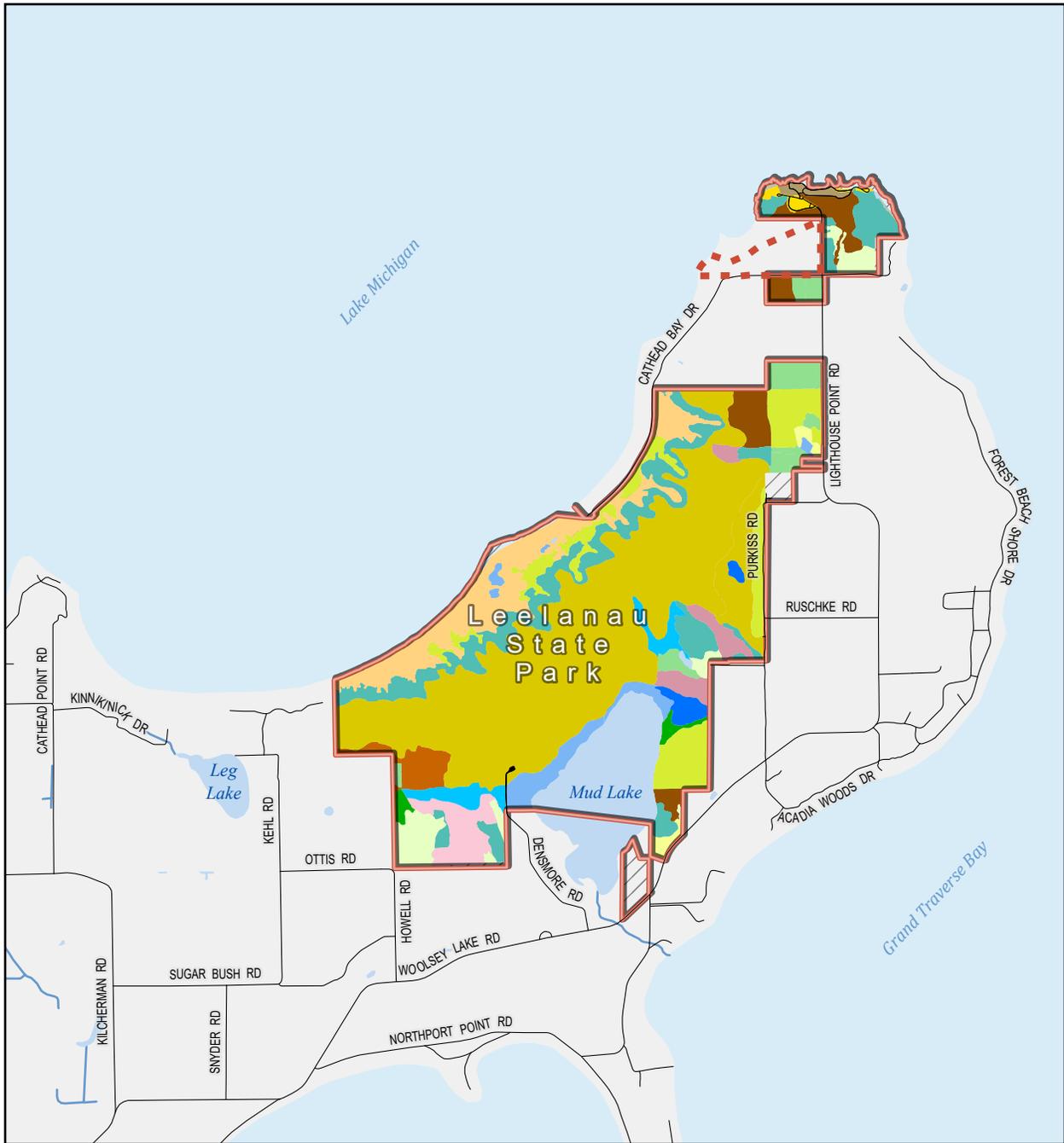
### Leelanau State Park - Land Cover, 1800s

- |                       |                    |                   |
|-----------------------|--------------------|-------------------|
| State Park Boundary   | <b>Land Cover*</b> | Cedar Swamp       |
| Conservation Easement | Alder/Willow Swamp | Emergent Marsh    |
| Road                  | Aspen/White Birch  | Hemlock Swamp     |
| River/Stream          | Beach/Open Dune    | Lake              |
|                       | Beech/Sugar Maple  | Low Conifer Swamp |



Updated: 02/01/2021

\*Mapping derived from original notes of the State of Michigan General Land Office Survey conducted in the early to mid-1800s



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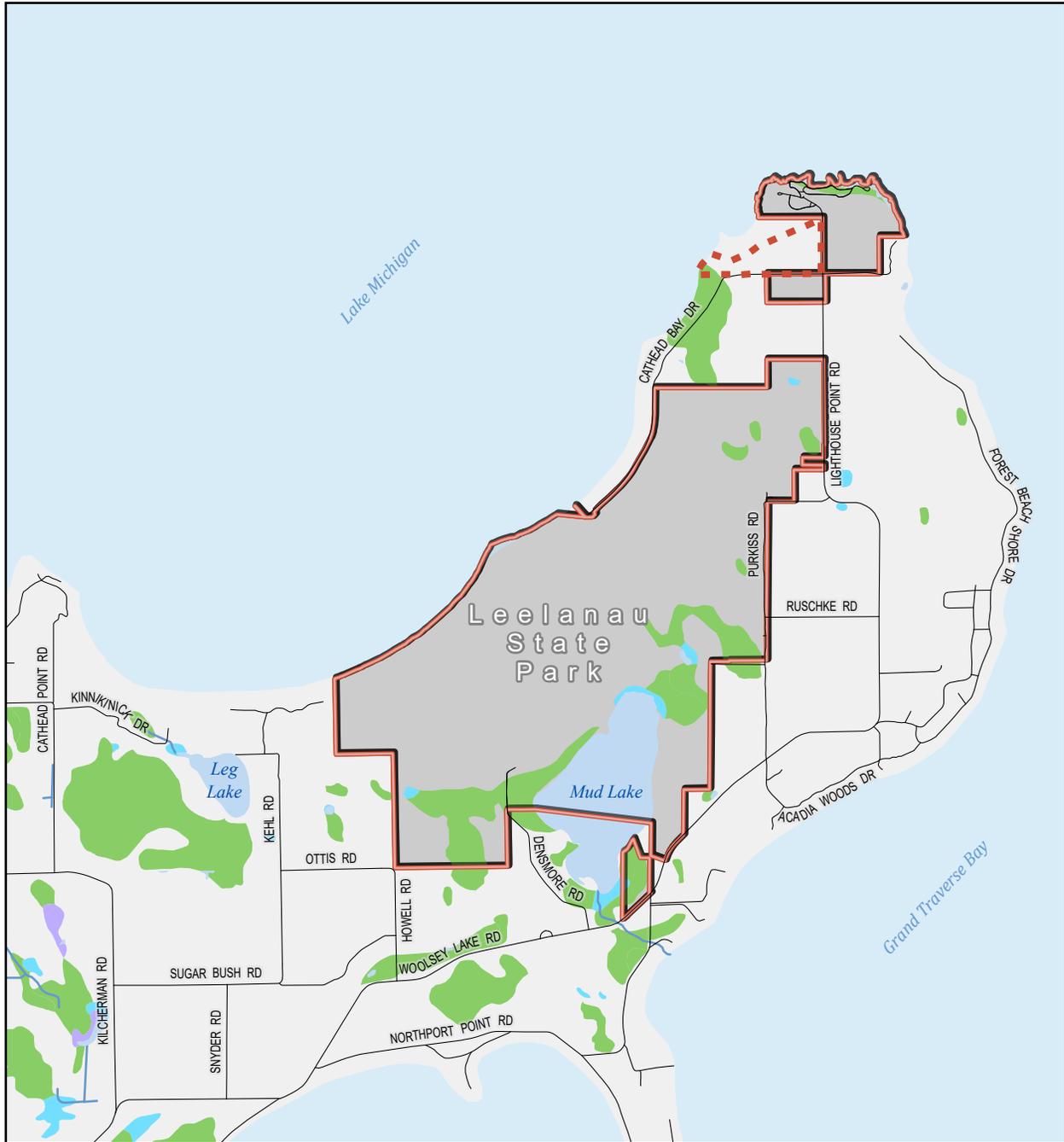
## Leelanau State Park - Forest Stands and Land Cover

- |                               |                        |                           |                            |
|-------------------------------|------------------------|---------------------------|----------------------------|
| State Park Boundary           | Oak Types              | Lowland Coniferous Forest | Lowland Shrub              |
| Conservation Easement         | Aspen Types            | Lowland Mixed Forest      | Emergent Wetland           |
| Road                          | Mixed Upland Deciduous | Non-Forest Covertype      | Mixed non-forested wetland |
| River/Stream                  | Planted Pines          | Roads/Parking Lot         | Sand/Soil                  |
| Lake/Pond                     | Natural Pines          | Herbaceous Openland       | Exposed Rock               |
| Forest Stands and Land Cover* | Other Upland Conifers  | Low Density Trees         | No Stand Data              |
| Forest Covertype              | Upland Mixed Fores     | Parks/Golf Courses        |                            |
| Northern Hardwood             |                        | Water                     |                            |



Updated: 02/10/2021

\*Forest Stand Covertypes as determined by DNR forest stand examiners during the DNR's forest inventory process



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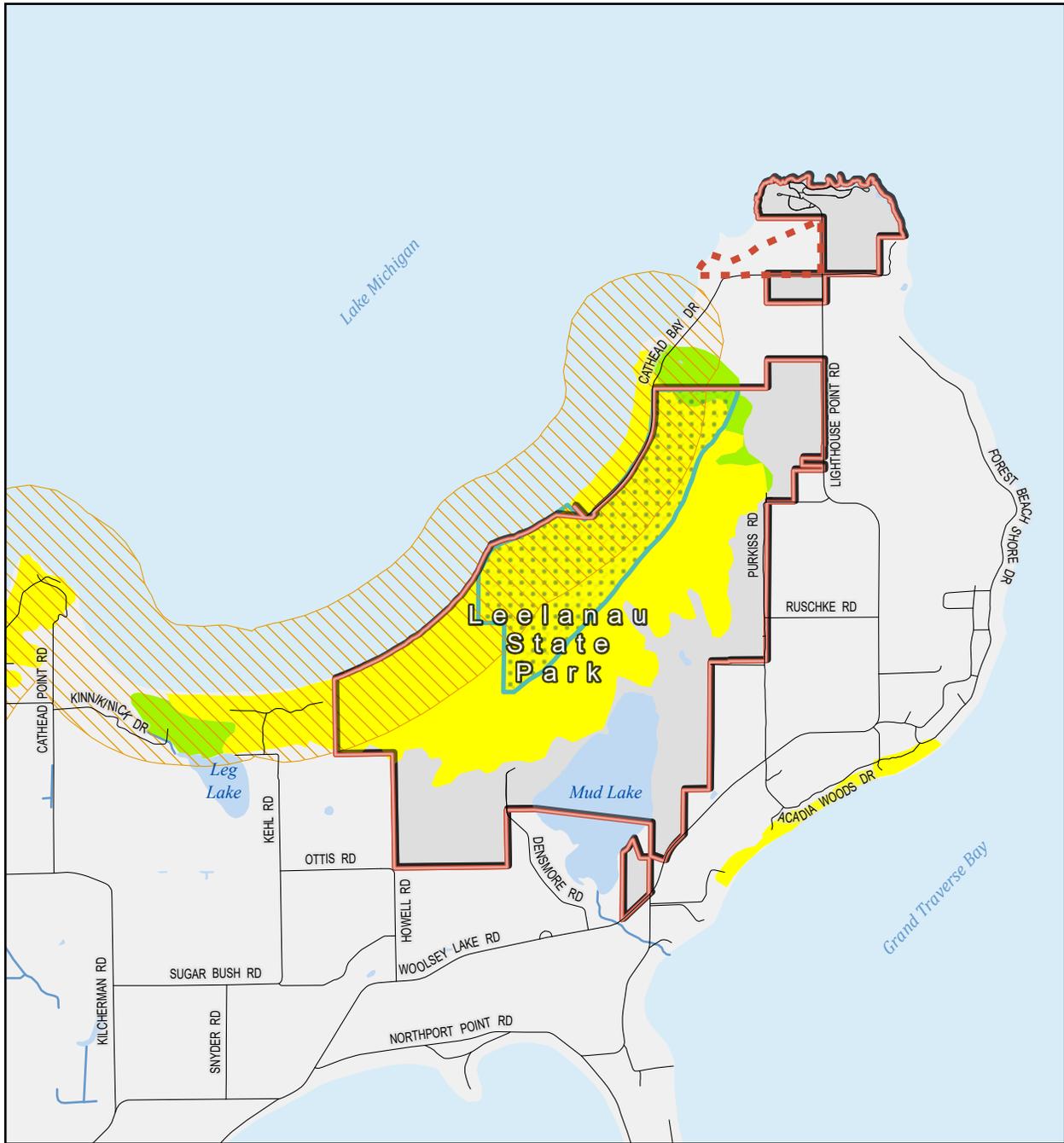


### Leelanau State Park - Wetlands

- |  |                       |  |                                   |
|--|-----------------------|--|-----------------------------------|
|  | State Park Boundary   |  | Wetlands*                         |
|  | Conservation Easement |  | Freshwater Emergent Wetland       |
|  | Road                  |  | Freshwater Forested/Shrub Wetland |
|  | River/Stream          |  | Freshwater Pond                   |
|  | Lake/Pond             |  |                                   |



Updated: 02/02/2021  
 \*The National Wetlands Inventory (NWI) dataset (2012)



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## Leelanau State Park - Coastal Conservation Areas

- State Park Boundary
- Conservation Easement
- Road
- River/Stream
- Lake/Pond
- Michigan Natural Areas Registry\*
- Critical Coastal Habitat (Piping Plover)\*\*
- Critical Dunes\*\*\*
- Barrier Dune Formations Designated Pursuant to 1976 P.A. 222
- Exemplary Dune Associated Plant Communities Outside Designated Dune Formations

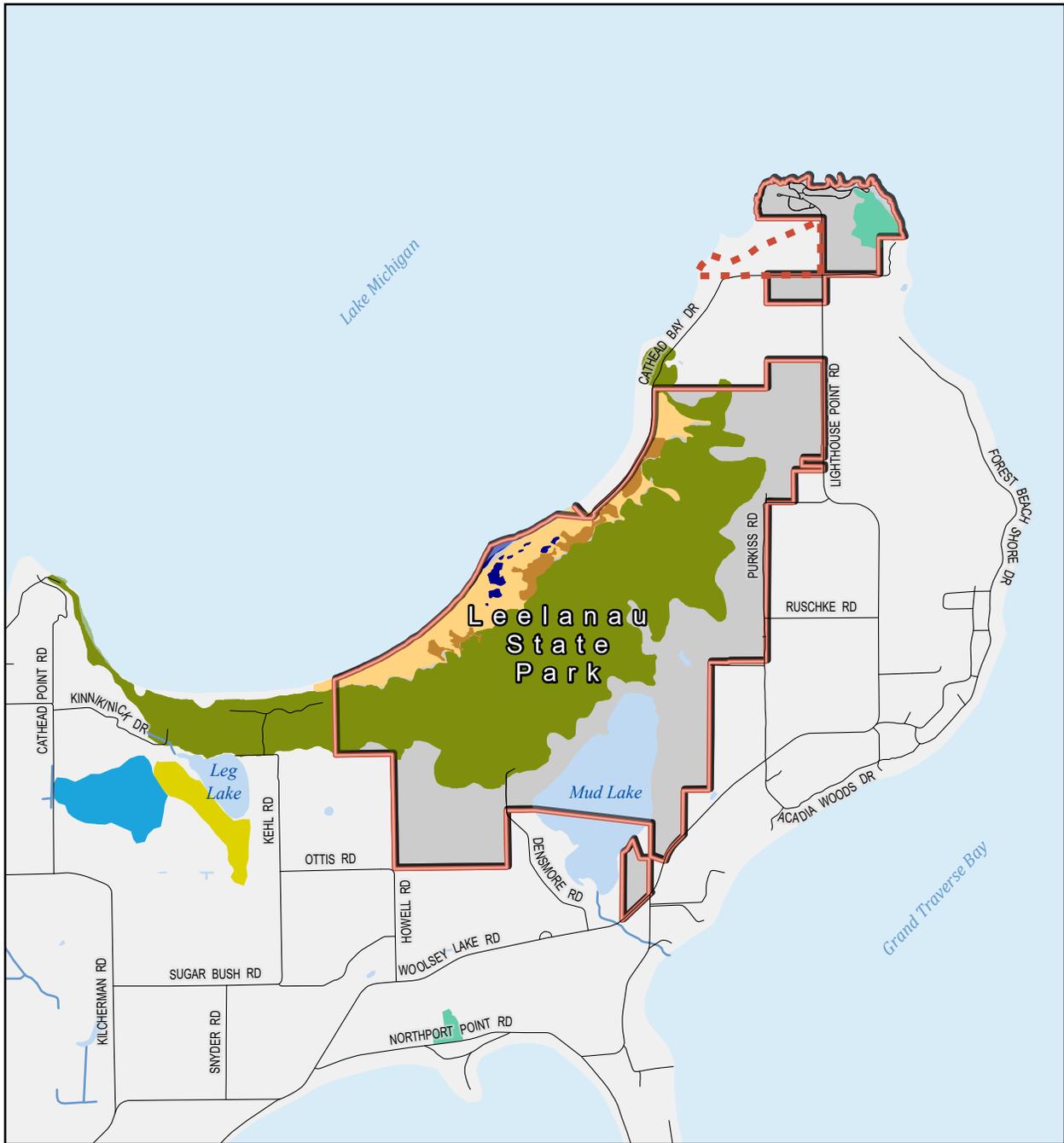


Updated: 02/10/2021

\*Non-Dedicated Natural Area administratively recognized by public agencies (Michigan Natural Areas Registry agreement between DNR and The Nature Conservancy)

\*\*Critical habitat for the Great Lakes Breeding Population of the piping plover as designated by the U.S. Fish and Wildlife Service and DNR Wildlife Division

\*\*\*Critical Dunes as designated by the Michigan Department of Environment, Great Lakes, and Energy

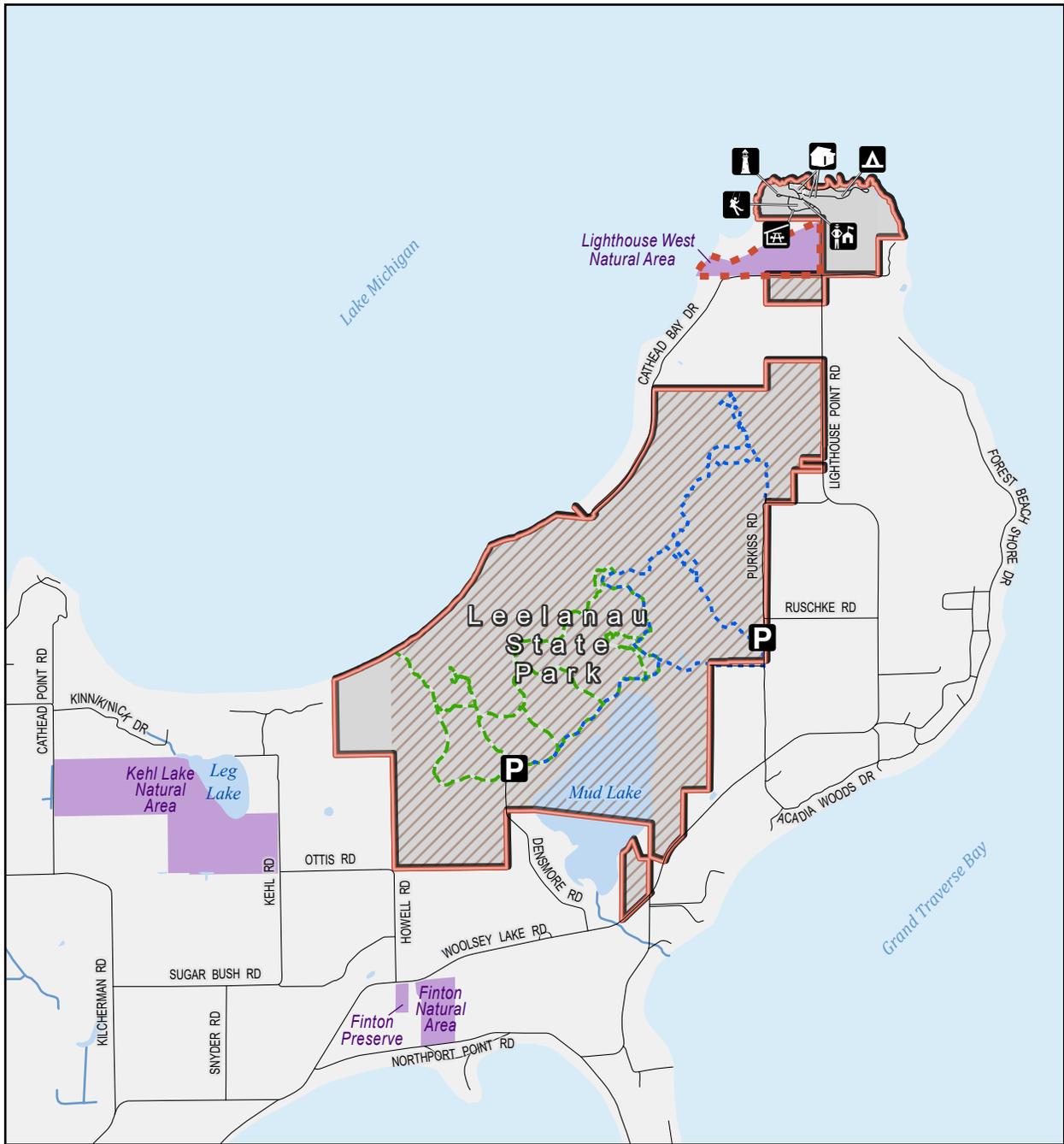


### Leelanau State Park - Natural Communities

- |                       |                             |                        |
|-----------------------|-----------------------------|------------------------|
| State Park Boundary   | <b>Natural Communities*</b> | Hardwood-Conifer Swamp |
| Conservation Easement | Boreal Forest               | Interdunal Wetland     |
| Road                  | Dry-mesic Northern Forest   | Mesic Northern Forest  |
| River/Stream          | Great Lakes Barrens         | Open Dunes             |
| Lake/Pond             |                             |                        |



Updated: 02/11/2021  
 \*Natural Communities of Michigan (Michigan Natural Features Inventory)



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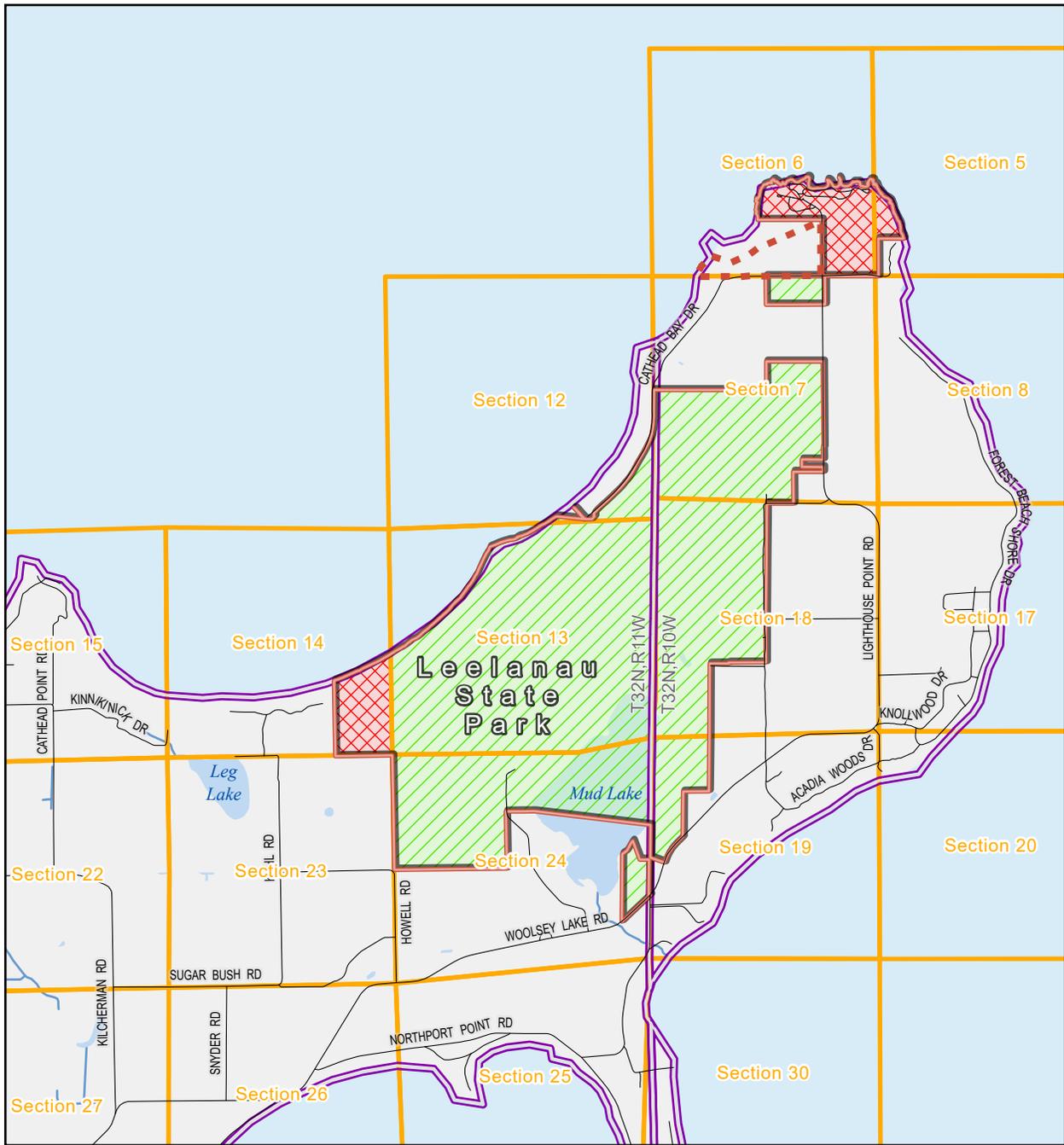


## Leelanau State Park - Park Amenities

- |                           |                          |             |
|---------------------------|--------------------------|-------------|
| State Park Boundary       | Lake/Pond                | Mini Cabin  |
| Conservation Easement     | Hutable Lands            | Pavilion    |
| Leelanau Land Conservancy | Designated Hiking Trails | Light House |
| Road                      | Winter Recreation Trail  | Playground  |
| River/Stream              | State Park Campground    | Parking     |
|                           | Contact Station          |             |

Updated: 05/27/2021





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## Leelanau State Park - Hunting and Trapping

- |                       |                              |
|-----------------------|------------------------------|
| State Park Boundary   | River/Stream                 |
| Town Range            | Lake/Pond                    |
| Section               | <b>Hunting and Trapping*</b> |
| Conservation Easement | Open                         |
| Road                  | Closed                       |



Updated: 05/27/2021

\*Wildlife Conservation Order Chapter VII State Parks and Recreation Areas. Sec. 7.19 Hunting and trapping shall be allowed during the established seasons on all state-owned lands within the dedicated boundary of Leelanau state park in sections 7, 18, and 19 T32N R10W, and in sections 12, 13 and 24, T32N R11W, except the entire state park shall be closed to the taking of waterfowl from September 1 through Labor day. (History: Eff. Mar 31, 1989; Am. @. 2016, Eff. April 15, 2016; Wildlife Conservation Order Amendment No. 2 of 2021).



Smiling hikers



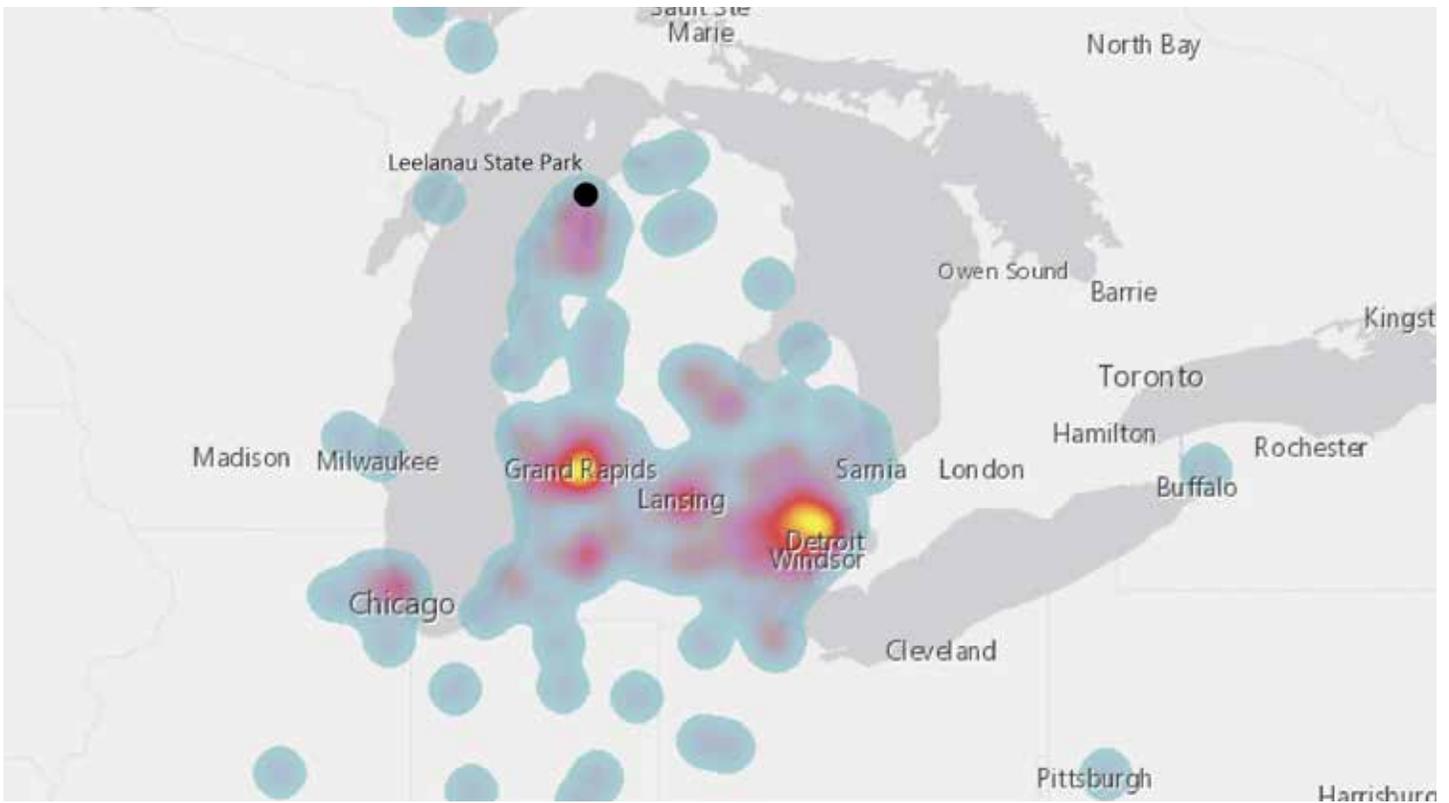
Reaching the top of the lighthouse



Roasting marshmallows



Relaxing at the campsite



Map depicting the zip code of survey respondents' primary residence. Brighter colors indicate a greater concentration of respondents. A small number of respondents were located outside of the map area.

## Appendix

# B: Public and Stakeholder Input

### B.1 Project Website

A project website was available for public viewing throughout the duration of the planning process and was updated with maps, survey results, and the draft plan. Members of the public could contact the planning team through the website contact form.

### B.2 Summary of Public Input Survey

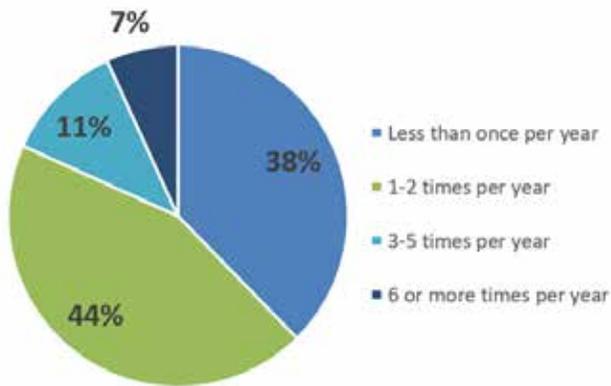
One of the methods the planning team used to gather input from park users was an online survey. This online approach provides a convenient way for those who have access to the internet to provide feedback. However, it is not designed to be statistically representative of Leelanau State Park users or uses, as respondents self-select. The on-line survey provides valuable information about what certain individuals or groups (those who are motivated to comment about the park, those likely to receive DNR communication about the survey, and those who have easy access to the internet) hope to see in the park's future management. The survey was advertised to a diverse range of people through various means. A press

release was sent out to Subscribers of Michigan's Trails or Statewide DNR News (press releases) who answered "All counties" or "Benzie" or "Grand Traverse" or "Leelanau" which included 10,203 recipients. It was also promoted on the Leelanau State Park website, the Friends of Leelanau State Park Facebook page, and on the DNR's twitter account. The survey link was also sent to over 50 stakeholders the planning team had identified who were invited to share the survey. In addition, it was sent to those who had registered to camp at the park in the last 12 months.

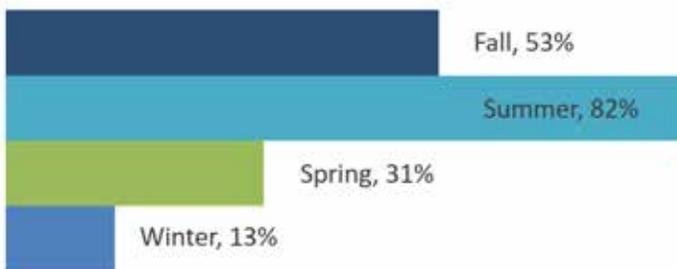
Responses were collected from October 10, 2019 through November 10, 2019. During the collection period, 512 individuals responded to the survey. Of those respondents, 479 (94%) have visited the park in the last five years. Those who did not visit the park within the last five years gave reasons such as the park having only rustic camp sites with no electricity and not having any shower facilities to use. The largest age group of respondents was between 50 and 64 years old (38%) and most respondents were located in central and southern lower peninsula of Michigan. A very small



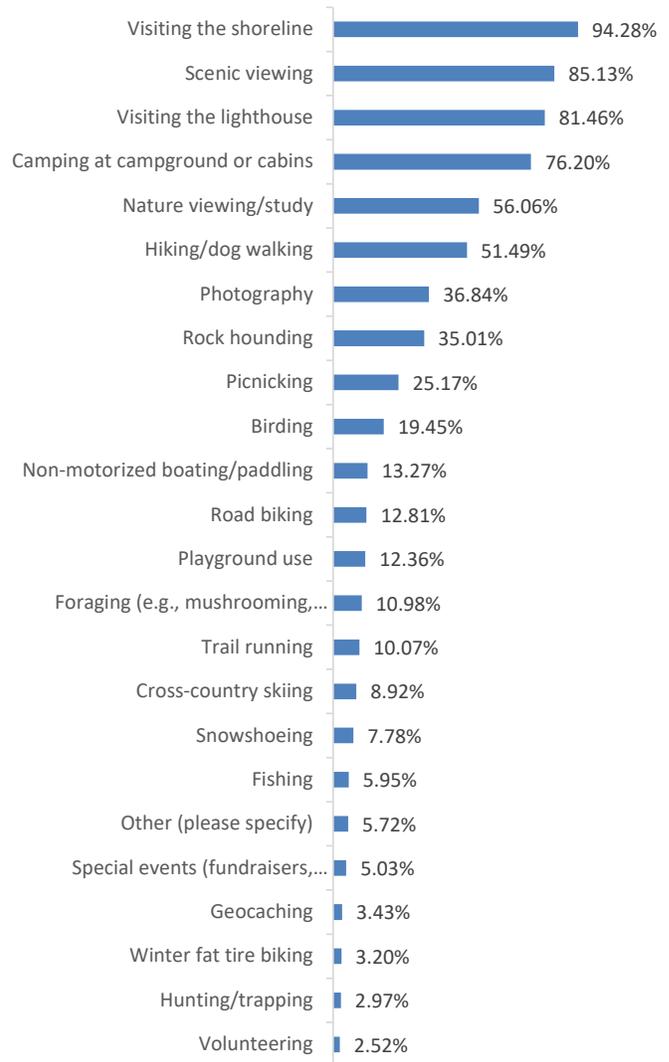
How often do you visit the park?



In what seasons do you typically visit the park? (Select all that apply)



Please check ALL the activities in which you participate while at Leelanau State Park.



When asked **what one activity most influenced the respondent’s choice to visit the park**, camping at the campground or cabins (51%) was the activity was most frequently selected, followed by visiting the shoreline (15%) and scenic viewing (8%).

Leelanau State Park contains multiple **day-use facilities**, such as, scenic overlooks, trails, parking lots, picnic areas, a playground, a lighthouse, and vault toilets. Of the facilities listed above, respondents were asked to rate their **level of satisfaction for each facility** on a scale of one (highly dissatisfied) to nine (highly satisfied). The scenic overlooks, parking, lighthouse and trails received the highest ratings, with most respondents highly satisfied. The two lowest ratings were the vault toilets and the playground with weighted average scores of 6.19 and 6.44, respectively. The playground received many neutral responses, but also some that were highly satisfied. However, a new playground was installed at the park during the survey, so the rating of the playground reflects a mix of opinions on both the old and the new equipment. Satisfaction with the vault toilets was mixed, with only 53% percent of responses over a five (neutral).

When asked **what was liked most about their experience**, many responses mentioned the scenic beauty, view of the lighthouse, the historic aspects of the park, and walking the trails. Five randomly selected comments follow:

What did you like most about your experience?

- Walking around the park and the peaceful atmosphere
- The sound of the waves at night.
- It was quiet.
- Exploring and hiking; the fact that there were mostly tent campers-no mobile homes (that I saw)
- Shallow calm waters along the lakefront. Camping with privacy and a view.

Respondents were asked **if there were any changes they would like to see in order to improve their experience**. While 43% of respondents said no change was needed, popular responses for things to improve included having modern restroom and shower facilities, improving wayfinding signage for trails, and availability of electricity. Around 28% of those

who suggested an improvement (16% of the total responses) indicated a desire for improved restroom facilities or showers. Five randomly selected comments follow:

*Are there any changes that you would like to see made in order to improve your experience?*

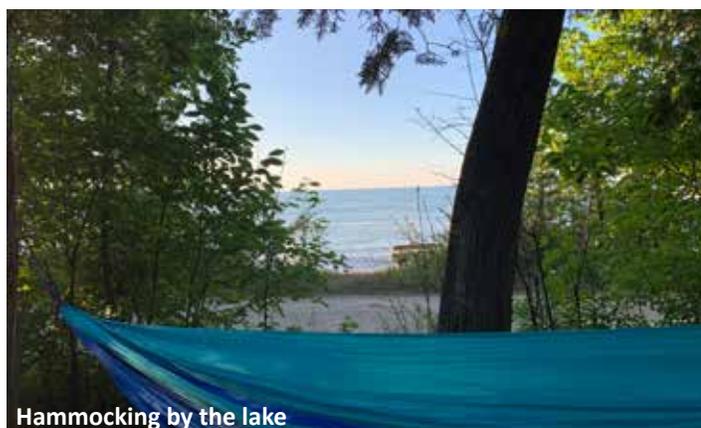
- Flush toilets in open area and campground.
- Preserve it with environmental responsibility as the primary objective.
- Clear out some of the brush on shoreline so you have better view of the lake from the campsites
- Modern bathrooms and a lot more campsites.
- The hiking could be improved. I think a trail that connected the park to the Leelanau Conservancy Land (Lighthouse West) would be nice.

A majority of respondents (71%) visit other attractions when they visit the park. **Other attractions in the area visited** include Sleeping Bear Dunes, wineries, Turtle Creek Casino, and Fish Town.

When asked if there were activities they or someone in their party wished to participate in but were not able to due to personal mobility challenges or lack of accessibility accommodations, most respondents said no, they had no difficulty. Four percent of respondents did report a challenge, such as vault toilets being difficult to use and inadequate accessible parking. Three randomly selected comments follow:

*During your last visit, were there any activities you or someone in your party wished to participate in but were not able to due to personal mobility challenges or lack of accessibility accommodations?*

- Restrooms at the lighthouse park.
- Our daughter is mobility limited. The vault toilets were a big challenge as was accessing beach front
- Actually, nobody in my party had any issues, but I noticed the picnic tables in the shelter were arranged in a way that only allowed someone in a wheelchair to access one table from the west side and no tables from the south side.



Hammocking by the lake

### Grand Traverse Lighthouse

Most survey respondents (82%) have **visited the Grand Traverse Lighthouse**. Of those, 63% went inside the lighthouse museum. On a scale of one (highly dissatisfied) to nine (highly satisfied), the vast majority of those who visited the lighthouse were satisfied, with 81% of responses over a five (neutral). When asked what they liked most about their lighthouse experience, the history and the view were the most frequently mentioned. Five randomly selected comments follow:

*What did you like most about your experience (at the Grand Traverse Lighthouse)?*

- The history. It's just really cool!
- Sense of history and devotion to its keeping
- We had a personal tour after hours when my husband assisted with the taking down of the flag. The hosts were knowledgeable and engaging.
- The view
- Educational, nice and quiet area

Respondents were also asked what, if anything, **would they change to improve their experience at the Grand Traverse Lighthouse**. A large majority of respondents (83%) said that no changes were needed. Some common comments for improvements were that the cost was too high and hours of operation were limiting. A few had the idea to have a family rate to enter the lighthouse. Five randomly selected comments follow:

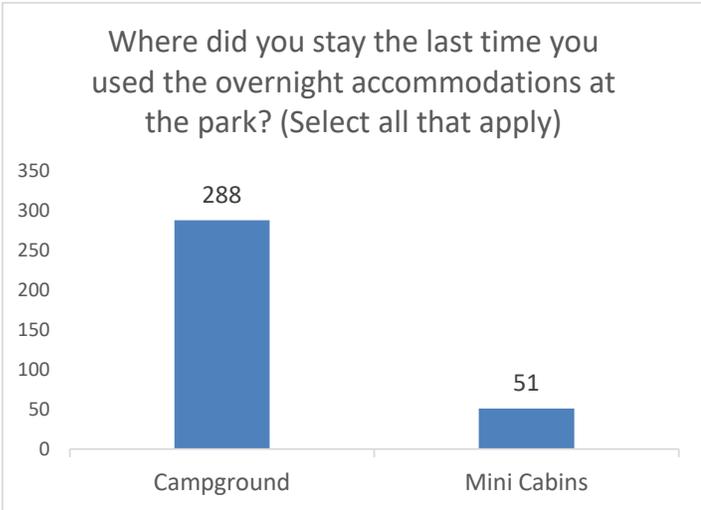
*What, if anything, would you change to improve your experience at the Grand Traverse Lighthouse?*

- Lower climbing fee
- Expand displays
- We'd been in the lighthouse before and there was no entrance fee. We'd have gone in again for a free will offering but we're put off by set fee.
- Cost
- It would have been nice if it had been open so we could tour it.

### Overnight Accommodations

Eighty percent of respondents **have used the overnight accommodations at Leelanau State Park**. The majority of those stayed at the campground (87%), with others staying in the mini cabins. Respondents most frequently stay at each location for two to three nights.

Respondents were also asked to **rate their satisfaction with the overnight accommodations they used**. Users of the campground were generally satisfied with their accommodations with a weighted average of 7.76 on a scale of one (highly dissatisfied) to nine (highly satisfied). Most



respondents were highly satisfied, and only a very small number of respondents rated the campground lower than a five (neutral). Using this same scale, those who stayed in the mini cabins were also generally satisfied, with most respondents rating them an eight or a nine. Of those that used overnight accommodations at the park **the majority (74%) did not bring their pets.**

When asked **what they liked most about their accommodations**, respondents frequently mentioned the water access and views as well as the quiet and secluded atmosphere. Five randomly selected comments follow:

*What did you like most about your accommodations?*

- Sound of the waves and wind.
- Quiet and peaceful. Loved the water.
- The view!
- Vegetation between sites make them fairly private.
- Privacy

When asked **what, if anything, could be done to improve the accommodations in the future**, 52% of respondents said that no change was needed. Of the 48% that suggested an improvement, the many and varied answers ranged from improving cleanliness of vault toilets and park maintenance and poison ivy control to ideas to make the layout of campsites farther apart so each campsite is more spacious. Five randomly selected comments follow:

*What could be done to improve your satisfaction with the accommodations in the future?*

- Some of the shoreline campsites are awkward and not clearly laid-out.
- Heater did not consistently work, but the fella who came back several times was really nice.
- Enforcement of quiet hours
- RV sanitation station, restroom with flush toilets
- Lack of a bath house means we could only stay 2-3 nights

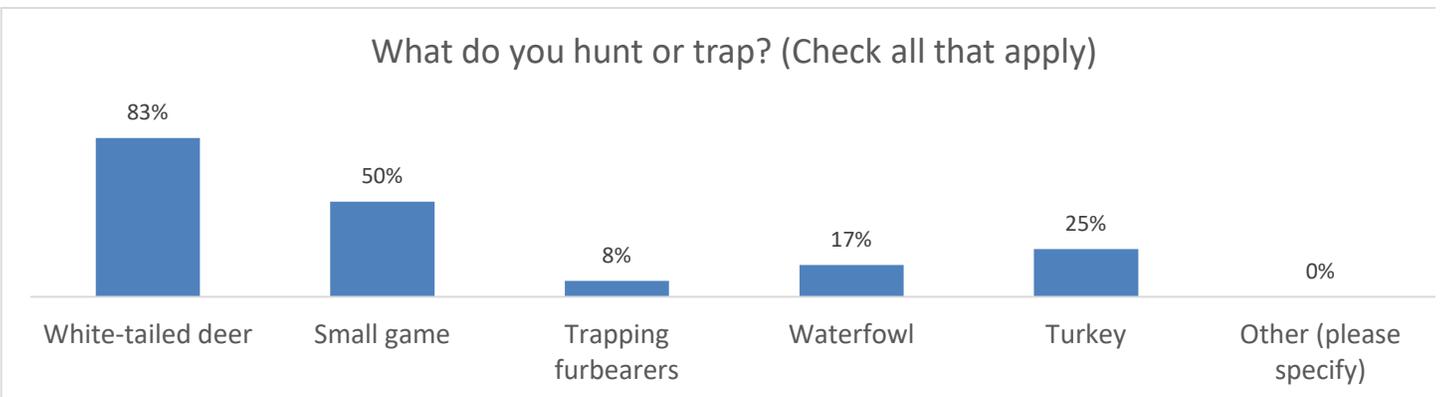
Those **that did not use the overnight accommodations at the park were asked where they stayed** when visiting Leelanau State Park. The most common two answers were at their own principal home (41%) or at another state park (17%).

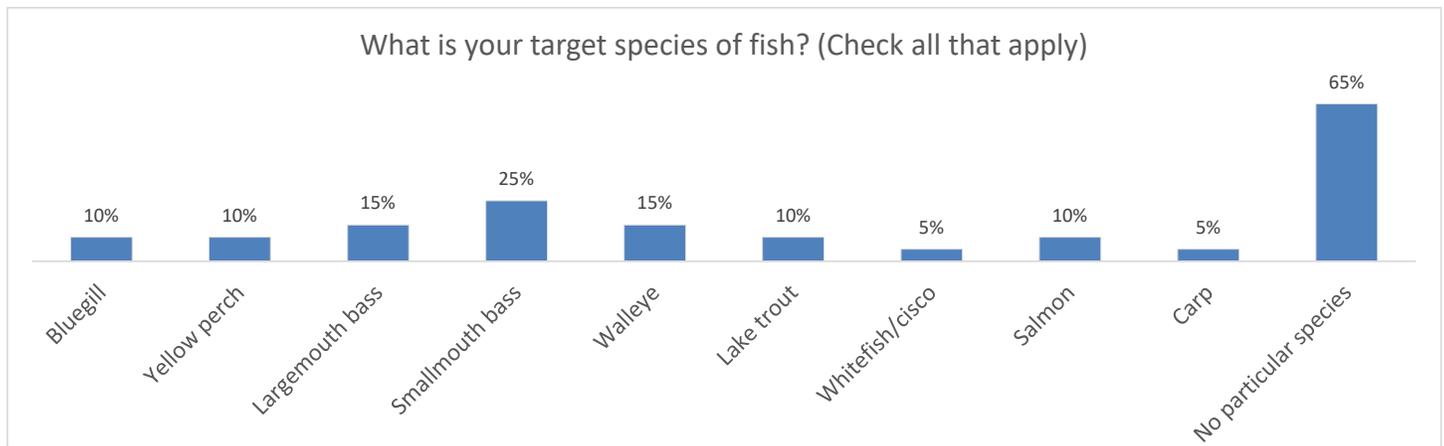
**Hunting or Trapping**

Only 15 survey respondents reported that they **hunt or trap at the park**. Their **target species** was most commonly white-tailed deer (83%), followed by small game (50%) and turkey (25%). Two comments about hunting are as follows:

*Please enter any comments you may have about hunting and trapping at the park.*

- No active management, should remain available to the public.
- Under used resource. Park does not stay open late enough in the fall. Should remain open until at minimum 12.01.2019 and better promotion of park operating dates.





### Fishing

Twenty-two (5%) of survey respondents **use the park for fishing access**. They most frequently fish from the shoreline (71%), while others fish from a non-motorized boat (19%) or a motorized boat (10%). Respondents most **preferred fishing location** is Lake Michigan (62%), with some having preference to Kehl Lake (19%). The majority of respondents had no **targeted species** of fish (65%). A small number of respondents target small (25%) and largemouth bass (15%) and walleye (15%). One comment suggested room for improvement:

*Please enter any comments you may have about fishing at/near the park.*

- Need to add fishing dock or kayak launch

### Special Events or Programs

The majority (91%) of survey respondents have not **participated in a special event or host program** at Leelanau State Park. For those who did participate, the **most frequently attended events** were Meteors and S'mores (30%), shipwreck programs (27%), and other programs (30%) left in the comments. Participants were, on average, quite satisfied with the special events or programs. On a scale of one (highly dissatisfied) to nine (highly satisfied), all activities scored higher than an average of 7.3. In fact, only one rating lower than 5 (neutral) was recorded. Comments left were all very positive. Three randomly selected comments follow:

*Please enter any comments you may have on the special events or programs in which you participated.*

- Loved working at the Michigan cares for tourism
- Love the haunted lighthouse program, the enthusiasm of the staff, decorations etc
- The Trail to Table was a great collaborative event with so many people of all ages participating.

Survey respondents were asked what, if any, **additional programs or events** they would like to have offered in the future. Only ten answered this question and there were no two answers the same. Three randomly selected comments follow:

*What, if any, additional programs or events would you like to be available at the park in the future?*

- Dark sky awareness/education
- Leave no Trace! My favorite pastime along the shoreline of this area is picking up trash. Funny, I see so many people come in, park, take a photo and leave. Many step over trash or worse leave it.
- Bat walks



Lakeshore view

**Other Thoughts**

Finally, respondents could share any other comments they had about the park, and optionally submit a photograph of their experience. One hundred and fifty-three comments were submitted, and five randomly selected comments follow:

*Please share any other thoughts you may have on the park.*

- I also love that you have sites available without having to reserve a year in advance.
- Need mountain biking trails and more fat tire trails.
- Excellent experience and worth the trip!
- Leave the park rustic, please.
- I really liked the picnic area. Lots of people cooked dinner there because it was on the high ground vs some of the lower level campsites that were damp. Not the fault of anyone but if lake levels remain that high the lower sites might need to be raised.



Participants submitted photos of their experience at the park.



Michigan  
Department of  
Natural Resources



# You're invited!

## What

Leelenau State Park  
General Management Plan  
Stakeholder Input Workshop

## When

Tuesday, October 29th  
2:00pm - 4:00 pm

Please RSVP to:

Plan Administrator Debbie Jensen  
JensenD1@michigan.gov

## Where

Leelenau Township Firehall  
100 8th St, Northport, MI 49670

## About the plan

The Department of Natural Resources (DNR) Parks & Recreation Division (PRD) is in the process of developing a general management plan for Leelenau State Park. The general management plan will define a long-range planning and management strategy that protects the resources of the site while addressing recreation needs and opportunities. Public and stakeholder input is a critical component of the planning process.

## About the workshop

The planning team cordially invites you to attend a stakeholder input workshop! This session will include a brief presentation from the DNR on the planning process and progress followed by individual and group exercises to gather input to inform the plan. We request that your organization send a maximum of two representatives so we may accommodate everyone. We hope to see you there!

## Input survey

In addition, we are collecting input from park users via an online survey, which closes on November 10. You may share this link with any who may be interested.

<https://www.surveymonkey.com/r/LSP-GMP>

## Project website

<http://mdnrmanagementplans.org/leelenau-state-park/>

## For more information, please contact:

Plan Administrator Debbie Jensen at 517-284-6105 or  
Email JensenD1@michigan.gov



**B.3 Summary of Stakeholder Input Workshop**

To gather targeted input from governmental, non-profit, and business/tourism entities, the planning team invited over 50 stakeholders, both individuals and community groups, to participate in a facilitated input workshop held on October 29th, 2019, from 2:00 to 4:00 p.m. at the Northport Township Fire Hall in Northport, Michigan. Representatives of the Michigan Department of Natural Resources (DNR) provided the stakeholders with a brief overview of Leelanau State Park, including its natural features, cultural resources, and recreational offerings. The stakeholders were also presented the general management plan process, timeline, and an explanation of the plan elements that their input would inform: the statements of significance, the twenty-year management zone map, and action goals intended to be accomplished over the next ten years.

The stakeholders were divided into small discussion groups around a numbered table (either 1, 2, or 3). They worked together to complete a series of exercises discussing the park’s current status, opportunities for partnerships, the park’s potential benefit to the larger community, and the stakeholders’ vision for the park’s future. Each table then reported out to the larger group. The results of the table exercises are outlined in the following summary.

PLANNING TEAM ATTENDEES	
NAME	REPRESENTING
DEBBIE JENSEN	DNR-PRD
LISA GAMERO	DNR-PRD
STEPHANIE ROSINSKI	DNR-PRD
KASEY MAHONY	DNR-PRD
ANNAMARIE BAUER	DNR-PRD
JESSICA ORLANDO	DNR-PRD
JOSHUA DRAGE	DNR-PRD
KAREN WINGAY	DNR-PRD
SGT. DAN BIGGER	DNR-LED
CHRISTY SUMMERS	Planning Consultant
CAITLIN JACKSON	Planning Consultant

STAKEHOLDER INPUT WORKSHOP ATTENDEES	
NAME	REPRESENTING
SALLY STEVENS	Cathead Bay Association
RONALD STEVENS	Cathead Bay Association
JERRY FREELS	Grand Traverse Audubon
AUDREY MENNINGA	Northwest Michigan Invasive Species Network
JAMES SKIPPER	Michigan Wild Turkey Hunters Association & American Chestnut Council
STEF STALEY	Grand Traverse Lighthouse Museum
MARK THOMAS	Grand Traverse Lighthouse Museum
ALLEN AMMONS	Former Park Ranger
MARGO AMMONS	Friend of Park
NEIL WETHERBEE	Northport Schools
CAMPBELL MCLEOD	Northport Chamber of Commerce
TOM NELSON	Leelanau Conservancy
CHAD JORDAN	Bike Leelanau/ Northern Michigan Mountain Bike Association
JOHN NELSON	Northern Michigan Environmental Action Council
MICHAEL MCDONALD	Michigan State Park Advisory Committee
JUSTIN KELENSKE	Leelanau Road Commission
BARBARA NELSON JAMESON	National Park Service
BILL WATSON	Child and Family Services- YouthWork



Stakeholders work together

**Icebreaker Question**

When the stakeholders introduced themselves, they were asked to describe what matters most to them about Leelanau State Park. Their recorded responses follow in the table below.

WHAT MATTERS MOST TO ME ABOUT LEELANAU STATE PARK IS...
STATEMENT
Accessibility for mountain biking in the summer
How we can benefit the LSP & a big advocate of ADA accessibility
The natural beauty is preserved
Maintaining its rustic features. Second access point for northern portion. More recreational activities
Accessibility- particularly passive use
Making people more aware of what's available in the area
So many people from Leelanau county have never been to state park or lighthouse
Keeping the hiking trails in their natural, passive, low-key state. I've reconciled the "floating" fat tire biking BUT- no bikes in the summer.
Maintaining a conservative approach to the trail system especially! Keep it peaceful for all, especially endangered species, birding habitat, migratory flyway,- not frantic activity!
Have the DNR continue to involve the local/regional community in the planning and development/ acquisition process
Its natural beauty, features, wildlife, and much more
Preserving birding habitat is most important
Keeping the natural areas beautiful and invasive free
Protecting wildlife habitat/natural resources
The beautiful trail system, significant natural features, & historic lighthouse
Preserve the natural beauty
Keeping them preserved and for years to come
Accessible
Maintaining the fence on Cathead Bay Drive. Limiting traffic on Cathead Bay Drive
Dunes & dune woodlands. Keeping hunting as a full use. Preserving dune land & woodland dunes

**Exercise 1: Say one word or phrase that describes the state park right now.**

Stakeholders described Leelanau State Park as beautifully scenic, natural, peaceful, remote with a unique location, and providing hunting habitat. Other words or phrases focused on the park's natural amenities, including the dunes, hardwoods, shoreline, wildlife, and birding opportunities. It was also described as historic, rustic, and an emotional experience. However, some stakeholders were concerned that the park is under pressure, easily overused, and experiencing environmental degradation.

ITEMS	MENTIONED AT TABLE #
Beautifully scenic	1,2,3
Natural	1,3
Peaceful	1,3
Remote/Unique location- isolation	1,3
Hunting habitat / Opportunities	1,2
Rustic	1
Historic	1
Pristine	1
Pure Michigan	1
Environmental degradation	1
Escape/off the grid	1
Seasonably busy	1
Buggy	1
Dunes & woodlands	2
Under pressure	2
Birding habitat	2
Identity crisis	2
Resource rich	2
Rare	2
Easily overused	2
Hidden gem	2
Emotional experience	2
Quiet	3
The tip	3
Wild	3
Hardwoods	3
Wildlife	3
Shoreline	3
Accessible	3
Solitude	3

**Exercise 2: Say one word or phrase that you want to describe the state park in the future.**

When stakeholders thought about how they would like to describe the park in the future, more than one table suggested that the park should be kept unchanged, retaining its natural and scenic characteristics but with invasive species controlled. While some stakeholders wanted development to be limited, others suggested that the park should be expanded through land acquisitions, have additional parking and additional trails. Many phrases suggested an improvement of what already existed at the park, such as more youth education, improved signage, and improved accessibility.

ITEMS	MENTIONED AT TABLE #
Unchanged	2,3
Non-invasive, Autumn Olive control	2,3
Natural, Scenic	1,3
Additional trails	1
Additional parking	1
ADA accessibility/easy access	1
Scenic/natural	1
Historic	1
Ecologically diverse	1
Off the grid	1
Bathroom/sanitation	1
Walking trails	2
Improved signage	2
Cross-country skiing & snowshoeing	2
Dune interpretive signage	2
Natural features interpretation	2
Limit development	2
Limit people	2
Ungroomed winter trails	2
Continued hunting	2
Research laboratory	2
Better hunter access signage	2
Expanded	3
Wild	3
Climate resilient	3
Forested	3
Well-respected (natural areas)	3
Same amount of public events	3
Untrammeled	3
Non-commercial	3
More youth education	3
Quiet	3
Dark Skies	3

**Exercise 3: How can the state park benefit the wider community now or in the future?**

The stakeholders were tasked with focusing on the ways in which the park could benefit the larger community, whether from a standpoint of economic development, recreation, or education, for example. Multiple stakeholder groups suggested that the park could provide a benefit with outdoor education programs and signage. Several stakeholders also touched on the economic development the park can provide in expanding tourism. The park could also provide quality recreation and events for local residents and visitors.

ITEMS	MENTIONED AT TABLE #
Outdoor education programs/signage	1,2,3
Bring tourists to Northport, Expand tourism	1,2
Provide quality recreation, recreation/event outreach	1,2
Recreation/event outreach	1
Designated use trails/areas	1
Adventure recreation	1
Attracting young families; live and work here	1
Keep it the same	2
Bring birders to country	2
Show connection to S. Fox Lighthouse	2
Tourists buy produce & go to restaurants	2
Preserve endangered species	2
Public hunting opportunities	2
Educational field trips & classes	2
More events	3
Youth education	3
Advertising	3
Ecological hiking (guided)	3
Bike trail from Northport to lighthouse	3
Connect to TART	3
Interpretive app w/hiking trails	3
More hiking trails	3
Fat tire/mountain biking	3

#### Exercise 4: What are some collaboration & partnership opportunities that the state park presents for local communities and stakeholders?

All stakeholder groups felt that the Leelanau Conservancy presents a partnership opportunity from the standpoints of land acquisitions, environmental education, and connecting preserved units of land. Two stakeholder tables suggested partnerships with the Northern Michigan Mountain Bike Association for trail stewardship, events, and maintenance. Several organizations were suggested to provide volunteers, such as the Chamber of Commerce, Northport Schools, a local sportsman's club, and Scouts clubs.

GROUP OR STAKEHOLDER NAME	COLLABORATION OR PARTNERSHIP IDEA	MENTIONED AT TABLE #
Leelanau Conservancy	Land acquisitions, environmental education, expanding boundaries/connecting units	1,2,3
Northern Michigan Mountain Bike Association	trail stewardship, events, maintenance	1,3
Chamber of Commerce	Tourism volunteers, promotion	1,2
Northport Schools	Volunteers & educational opportunities, senior project	1,2
Audubon Society	Habitat ID & preserve, education	1,2
TC Track Club	maintain trail, events	1
XC Skiing North American Vasa	recreation, events	1
Local Invasive Species Network	Stewardship	1
Youth Work Conservation Corps	Boots on ground, grants, development	1
American Chestnut Council	Reforestation	2
Volunteers Conservation District	Invasive species	2
Fox Island Area	Web cam	2
Grand Traverse Band of Ottawa and Chippewa Indians	Resource protection	2
Munson System	Wellness- mental health	2
County & Township Parks	Coordinate programs & resources	2
Local Sportmens Club	Volunteers, place to shoot, census of species	2
Feds (NPS)	Education & planning	2
TART	Biking trails	3
Outdoor recreation (commercial)	Outdoor sports	3
groups/outfitters	Outdoor sports	3
Watershed center	Water quality monitoring	3
Children's group	Youth education	3
Accessibility network (MNRTF)	Universally accessible trails	3
Girl scouts/boy scouts	Park/trail work	3

## Exercise 5: What improvements or changes would you like to see at the state park? What things would stay the same?

In this exercise, stakeholders first brainstormed ideas for improvements or changes to the park as well as features they thought should stay the same. Then, each attendee could vote on their top three items from the list generated at their table. The items that received the most votes included additional designated and multi-use trails, keeping the park rustic and underdeveloped, investigating the Dark Skies initiative, and retaining the forested land and natural beauty of the park.

## Final Exercise: Collective Priorities

The final exercise of the meeting was to compile the results of exercise 5, combining the top-voted items from each table into a list. The attendees then had the opportunity to prioritize items that were mentioned at any table, creating a list of collective priorities. The collective priorities list below shows that the top voted items were that the park should remain forested and retain its natural beauty, to provide more education and interpretive signage, to keep the park rustic and undeveloped, and to provide low impact recreation in a sustainable way. This input will be considered by the planning team when creating a 10-year action plan.



A stone sculpture made by former lighthouse keepers

IMPROVEMENTS OR CHANGES		
ITEMS	MENTIONED AT TABLE #	TOTAL VOTES
More designated use, multi-use trail, mountain bike, cross country walking/hiking, snowshoe	1	6
Dark skies initiative	1,3	4
More education & signage (schools?)	2	3
ADA access – infrastructure	1	3
Prohibit hunting predator species (deer management)	3	2
Bike trail	3	2
Cabins open in winter (cross-country ski hiking)	2	2
Hunting free park	1	2
Going green – sustainability	1	2
Better way finding signage	3	1
More invasive species work	3	1
Connecting north and south	3	1
Better groom ski trails (skate & diagonal)	3	1
Better coordination with other groups	2	1
More cabins (mini or yurts?)	2	1
Parking- northern entrance	1	1
Shower facilities	3	0
Electric svc (1/2 sites?)	2	0
Backcountry camping	1	0
Boardwalks	1	0

STAY THE SAME		
ITEMS	MENTIONED AT TABLE #	TOTAL VOTES
Keep rustic/underdeveloped	1,2	6
Low impact	2	5
Remain forested/natural beauty	3	4
Maintaining lighthouse	3	2
Keep snowmobiles out	2	2
Rustic campground	3	1
Natural	1	1
Quiet	1	0
Historic	1	0

COLLECTIVE PRIORITIES	
ITEMS	VOTES
Remain forested/ natural beauty	11
More educational/interpretive signage	10
Keep rustic/undeveloped	9
Low impact recreation/sustainability	9
More designated multi-use trails (ex. Mountain bike, cross country ski, walking/hiking, snowshoe)	6
ADA accessibility improvements	3
Dark skies initiative	3

## B.4 Tribal Engagement



GRETCHEN WHITMER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF NATURAL RESOURCES  
LANSING



DANIEL EICHINGER  
DIRECTOR

October 14, 2019

To: Mr. Donald Seal, Saginaw Chippewa Indian Tribe  
Chief Ronald F. Ekdahl, Tribal Chief, Saginaw Chippewa Indian Tribe  
Mr. Doug Craven, Natural Resources Director, Little Traverse Bay Bands of Odawa Indians  
Chair Regina Gasco Bentley, Tribal Chair, Little Traverse Bay Bands of Odawa Indians  
Mr. Frank Beaver, Natural Resources Director, Little River Band of Ottawa Indians  
Ogema Larry Romanelli, Little River Band of Ottawa Indians  
Chairman Thurlow McClellan, Tribal Chairman, Grand Traverse Band of Ottawa & Chippewa Indians

The Parks and Recreation Division (PRD) of the Michigan Department of Natural Resources (DNR) is in the process of developing new General Management Plans (GMPs) for Leelanau State Park in Leelanau County and Keith J. Charters Traverse City (Traverse City) State Park in Grand Traverse County. The DNR uses GMPs to define a long-range planning and management strategy that will protect the natural, cultural and historic resources of the site, while considering education and recreation opportunities. A planning team, representing various specialties within the DNR, has been established and is meeting regularly to develop the GMPs for these sites. The plans will include designated management zones for each park and define 10-year action goals that provide specific guidance for development, stewardship of cultural and natural resources, recreation opportunities, education and interpretation opportunities and park management.

The 1,500-acre Leelanau State Park, located at the tip of the Leelanau Peninsula, is home to 2.25 miles of Lake Michigan shoreline, a rustic campground, three mini cabins, 8.5 miles of hiking trails with scenic overlooks, winter recreation trails, land open to hunting, a new accessible playground, a picnic area and the Grand Traverse Lighthouse Museum. The majority of the park's southern portion includes critical dunes with associated high-quality exemplary natural communities, habitat for the federally and state-threatened piping plover and a Natural Area Registry Site through an agreement with The Nature Conservancy.

Traverse City State Park is a 79-acre park located just three miles from downtown Traverse City. The park, which was established in 1920, features one-quarter mile of Lake Michigan shoreline along Grand Traverse Bay, a modern campground and lodge, a designated swimming area, seasonal kayak and paddleboard rentals, a playground and 29 acres of undeveloped woodland that was purchased in 2011. Mitchell Creek, a natural reproducing trout stream, runs through the park and empties into Lake Michigan at the west end of the beach, which adjoins land owned by the Grand Traverse Band of Ottawa and Chippewa Indians.

## Leelanau and Traverse City State Park General Management Plans

Page 2

October 14, 2019

The planning process includes several opportunities for input to help guide the plan. Stakeholder focus group meetings are scheduled as follows:

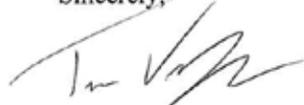
- Leelanau State Park, Tuesday October 29, from 2:00 to 4:00 p.m. at Leelanau Township Firehall, 100 8th Street, Northport, Michigan
- Traverse City State Park, Wednesday October 30, from 10:00 a.m. to 12:00 p.m., at East Bay Township Hall, 1965 North 3 Mile Road, Traverse City, Michigan.

In addition, online surveys are available for each park to solicit input from park visitors, and public meetings will be scheduled once the draft plans are developed to provide an opportunity for review and comment prior to adoption. Links to the online surveys are available for Leelanau State Park at [Michigan.gov/Leelanau](http://Michigan.gov/Leelanau) and Keith J. Charters Traverse City State Park at [Michigan.gov/TraverseCity](http://Michigan.gov/TraverseCity).

We would welcome the opportunity to meet with the Tribes independently to discuss the management plan process and any thoughts you may have in relation to the Leelanau or Traverse City State Parks. In addition, you are welcome to send representatives to the stakeholder focus group meeting, or the public meeting, which will be advertised in spring/summer next year. Please contact either Ms. Debbie Jensen, PRD Management Plan Administrator, at 517-284-6105, or myself to arrange a meeting.

For additional information on our management plan process, please visit our website at [www.michigan.gov/parkmanagementplans](http://www.michigan.gov/parkmanagementplans)

Sincerely,



Trevor VanDyke  
Tribal Coordinator  
517-284-6237

cc. Ms. Debbie Jensen, DNR  
Ms. Kasey Mahoney, DNR  
Ms. Stephanie Rosinski, DNR

## B.5 Public Input Survey Data

### Public Input Survey

The purpose of this survey is to gather input from **Leelanau State Park** visitors. Your answers will help the Michigan Department of Natural Resources develop a **General Management Plan** that will guide the future of the park.

This survey should take about **10 minutes** to complete. Your answers will not be shared with any other parties and are confidential unless you provide your email address at the end of the survey.

At the end of the survey, you will be directed to the **project website** that provides additional information on the General Management Plan process and further opportunities for public review and comment.

To proceed with the survey, click the "Next" button.

### General Satisfaction

\* 1. Have you visited the state park in the last five years? If no, please explain what keeps you from visiting the park more often.

- Yes
- No (Please explain what keeps you from visiting more often)

2. How often do you visit the park?

- Less than once per year
- 1-2 times per year
- 3-5 times per year
- 6 or more times per year

3. In what seasons do you typically visit the park? (Select all that apply)

- Winter (December, January, February)
- Spring (March, April, May)
- Summer (June, July, August)
- Fall (September, October, November)

4. How do you travel to the park? (Select all that apply)

- Motorized vehicle (Car/Truck/RV/Motorcycle)
- Bicycle
- On Foot
- Watercraft (Boat, Kayak, Canoe)
- Other:

5. From which of the following sources did you get information to plan your trip to the park? (Select all that apply)

- DNR website
- Other websites
- Social media
- Tourist or information center
- Previous experience
- Friends / family
- Printed publication (magazine, book, brochure)
- Other (please specify)

6. What three words would you use to describe Leelanau State Park to someone who has never visited?

First Word

Second Word

Third Word

## 7. Please check ALL the activities in which you participate at Leelanau State Park. (Select all that apply)

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Visiting the lighthouse                     | <input type="checkbox"/> Scenic viewing                  | <input type="checkbox"/> Snowshoeing                               |
| <input type="checkbox"/> Visiting the shoreline                      | <input type="checkbox"/> Non-motorized boating/paddling  | <input type="checkbox"/> Road biking                               |
| <input type="checkbox"/> Fishing                                     | <input type="checkbox"/> Camping at campground or cabins | <input type="checkbox"/> Winter fat tire biking                    |
| <input type="checkbox"/> Hunting/trapping                            | <input type="checkbox"/> Birding                         | <input type="checkbox"/> Hiking/dog walking                        |
| <input type="checkbox"/> Foraging (e.g., mushrooming, berry picking) | <input type="checkbox"/> Picnicking                      | <input type="checkbox"/> Trail running                             |
| <input type="checkbox"/> Rock hounding                               | <input type="checkbox"/> Playground use                  | <input type="checkbox"/> Special events (fundraisers, races, etc.) |
| <input type="checkbox"/> Geocaching                                  | <input type="checkbox"/> Photography                     | <input type="checkbox"/> Volunteering                              |
| <input type="checkbox"/> Nature viewing/study                        | <input type="checkbox"/> Cross-country skiing            |  |
| <input type="checkbox"/> Other (please specify)                      |  |  |

---

## 8. Which one activity most influences your choice to visit the park?

- Visiting the lighthouse
- Visiting the shoreline
- Fishing
- Hunting/trapping
- Foraging (e.g., mushrooming, berry picking)
- Rock hounding
- Geocaching
- Nature viewing/study
- Scenic viewing
- Non-motorized boating/paddling
- Camping at campground or cabins
- Birding
- Picnicking
- Playground use
- Photography
- Cross-country skiing
- Snowshoeing
- Road biking
- Winter fat tire biking
- Hiking/dog walking
- Trail running
- Special events (fundraisers, races, etc.)
- Volunteering
- [Insert text from Other]

## Your Most Recent Visit

The following questions relate to your most recent visit.

9. On your last visit, which statement best describes your party?

- Individual
- Couple
- Family
- Friends
- Family and friends
- Organized group or club
- Other (please specify)

10. On your last visit, what age ranges were in your party, including you? (Check all that apply)

- Under 5 years old
- 5-12
- 13-17
- 18-29
- 30-39
- 40-49
- 50-64
- 65 or older

11. Day Use Facilities: For only the facilities you visited, please rate your level of satisfaction with the following facilities (1 = Highly dissatisfied, 5 = Neutral, 9 = Highly satisfied):

	1 = Highly dissatisfied	2	3	4	5 = Neutral	6	7	8	9 = Highly satisfied	N/A
Trails	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Scenic overlooks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Parking	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Picnic area	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Playground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lighthouse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Vault toilets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

12. What did you like most about your experience during your last visit?

13. Are there any changes that you would like to see made in order to improve your experience?

- No
- Yes (please describe)

14. Did you also visit other attractions in the area during your most recent visit? If so, what attractions did you visit?

- No
- Yes (please describe)

15. During your last visit, were there any activities you or someone in your party wished to participate in but were not able to due to personal mobility challenges or lack of accessibility accommodations?

- No
- Yes (please describe)

## Grand Traverse Lighthouse

**The Grand Traverse Lighthouse is operated by the Grand Traverse Lighthouse Museum (a 501(c)(3) non-profit) under a lease agreement with the Department of Natural Resources.**

\* 16. Have you visited the Grand Traverse Lighthouse (grounds and/or museum)?

- Yes
- No

**The Grand Traverse Lighthouse is operated by the Grand Traverse Lighthouse Museum (a 501(c)(3) non-profit) under a lease agreement with the Department of Natural Resources.**

17. Did you go inside the lighthouse museum?

- Yes
- No

18. Please rate your satisfaction with the Grand Traverse Lighthouse complex (1 = Highly dissatisfied, 5 = Neutral, 9 = Highly satisfied).

1 = Highly  
dissatisfied

2

3

4

5 = Neutral

6

7

8

9 = Highly  
satisfied

19. What did you like most about your experience?

## Overnight Accommodations

20. What, if anything, would you change to improve your experience at the Grand Traverse Lighthouse?

- Nothing
- Please describe the desired changes:

\* 21. Have you ever used any of the overnight accommodations (campground, mini cabins) at the park?

- Yes
- No

22. Where did you stay the last time you used the overnight accommodations at the park? (Select all that apply)

- Campground
- Mini Cabins

23. During your last visit, how many nights did you stay?

- 1 night
- 2-3 nights
- 4-6 nights
- 7 or more nights

24. Please rate your level of satisfaction with your overnight accommodations. (1 = Highly dissatisfied, 5 = Neutral, 9 = Highly satisfied)

	1 = Highly dissatisfied	2	3	4	5 = Neutral	6	7	8	9 = Highly Satisfied	N/A
Campground	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Mini Cabins	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

25. Did you bring your pet(s)?

- Yes  
 No

26. What did you like most about your accommodations?

27. What could be done to improve your satisfaction with the accommodations in the future?

- Nothing  
 Please describe the changes you would like made:

## Non-camper Accommodations

28. On your most recent visit, where did you stay when you visited the park?

- Own principal home  
 Own second home  
 Another's home/second home  
 Another state park  
 Dispersed camping on state or federal forest land  
 Another public campground (federal, county, township, etc.)  
 Private campground  
 Hotel/motel/rental property/B&B  
 Other (please specify)

\* 29. Do you hunt or trap at the park?

- Yes
- No

30. What do you hunt or trap? (Check all that apply)

- White-tailed deer
- Small game
- Trapping furbearers
- Waterfowl
- Turkey
- Other (please specify)

31. Please enter any comments you may have about hunting and trapping at the park.

\* 32. Do you go fishing when you visit the park?

- Yes
- No

33. How do you typically access the water for fishing?

- Shoreline
- Motorized boat
- Non-motorized boat

34. What is your preferred fishing location when visiting the park?

- Mud Lake
- Kehl Lake
- Lake Michigan
- Other (please specify)

35. What is your target species of fish? (Check all that apply)

- Bluegill
- Yellow perch
- Largemouth bass
- Smallmouth bass
- Walleye
- Lake trout
- Whitefish/cisco
- Salmon
- Carp
- No particular species

36. Please enter any comments you may have about fishing at/near the park.

\* 37. Have you participated in a special event or host program (interpretive hike or activity, program or class, outdoor skill class, or other event) at the park?

- Yes
- No

38. Please select the programs you have participated in at the park in the past. (Select all that apply)

- Meteors and S'mores
- Fireworks-Free Fourth
- Snowshoe hikes
- Rock the Light 5K
- Pancake Breakfast
- Trail cleanup for National Trails Day
- Haunted Lighthouse
- Lobster Festival
- Christmas at the Lighthouse
- Autism Awareness activities
- Shipwreck programs
- Other (please specify)

39. Please rate the level of satisfaction with the programs or activities in which you participated. (1 = Highly dissatisfied, 5 = Neutral, 9 = Highly satisfied)

	1 = Highly Dissatisfied	2	3	4	5 = Neutral	6	7	8	9 = Highly Satisfied
Meteors and S'mores	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fireworks-Free Fourth	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Snowshoe hikes	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Rock the Light 5K	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pancake Breakfast	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trail cleanup for National Trails Day	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Haunted Lighthouse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Lobster Festival	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Christmas at the Lighthouse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Autism Awareness activities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shipwreck programs	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
[Insert text from Other]	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

40. Please enter any comments you may have on the special events or programs in which you participated.

41. What, if any, additional programs or events would you like to be available at the park in the future?

42. Please share any other thoughts you may have on the park.

43. (Optional) Share a photo of your experience at Leelanau State Park! By uploading a photo, you grant permission to the DNR to use the photo.

Choose File

No file chosen

44. What is the ZIP code of your primary residence?

ZIP:

45. What is your age?

- Under 18
- 18-29
- 30-39
- 40-49
- 50-64
- 65 or older
- I prefer not to answer.

46. If you would like to be informed about future meetings for the Leelanau State Park General Management Plan please leave your contact info below:

Name

Email

**Thank you for participating in the Leelanau State Park General Management Plan survey! Your input is appreciated.**

**Q.1 HAVE YOU VISITED THE STATE PARK IN THE LAST FIVE YEARS? IF NO, PLEASE EXPLAIN WHAT KEEPS YOU FROM VISITING THE PARK MORE OFTEN.**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	93.55%	479
NO (PLEASE EXPLAIN WHAT KEEPS YOU FROM VISITING MORE OFTEN)	6.45%	33
ANSWERED	512	
SKIPPED	0	

**No (Please specify what keeps you from visiting more often):**

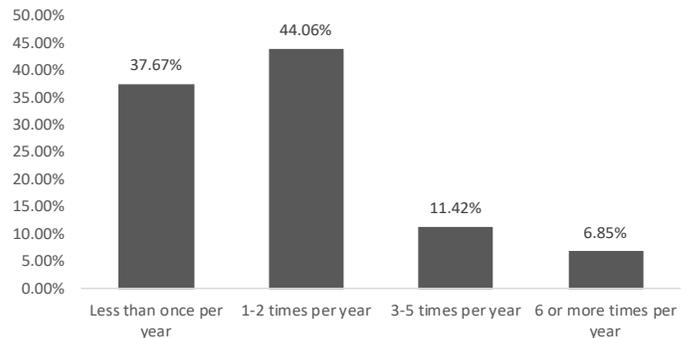
- No electricity
- kids schedules
- Love going to the lighthouse and walking the beach
- distance
- Love this park but there are so many great parks in Michigan to visit. I'll be back eventually.
- Distance
- We camp here every year.
- Just haven't been that far north in the past 5 years
- I do not like to use rustic campgrounds
- Next trip
- As a resident of TC we have so many wonderful places to enjoy.
- Reservation
- 3 or more times a year
- Rustic only camping
- never stayed in this state park
- traverse city state park
- Amenities
- We would visit more if there were showers.
- camping at other parks that we have previously not visited and camping out of state.
- Distance from home
- No modern camp accommodations
- It was too many miles from where we were at for the day.
- No electric.
- We weren't aware that there was a park on Leelanau. We usually just go to Interlochen or Traverse City parks
- Sold camper
- I'm a bicyclist. I need a shower after I ride. The park doesn't have showers

- Was not aware of the rustic camping area and hunting land available.
- We are trying to visit as many state parks as we can and we haven't com back to this one yet.
- poor camp sites
- My wife's home state is Michigan. We love to get up there as often as possible, but that isn't every year. And we can see all of it in a couple weeks...
- Lack of electricity
- Always full campgrounds

**Q.2 HOW OFTEN DO YOU VISIT THE PARK?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
LESS THAN ONCE PER YEAR	37.67%	165
1-2 TIMES PER YEAR	44.06%	193
3-5 TIMES PER YEAR	11.42%	50
6 OR MORE TIMES PER YEAR	6.85%	30
ANSWERED	438	
SKIPPED	74	

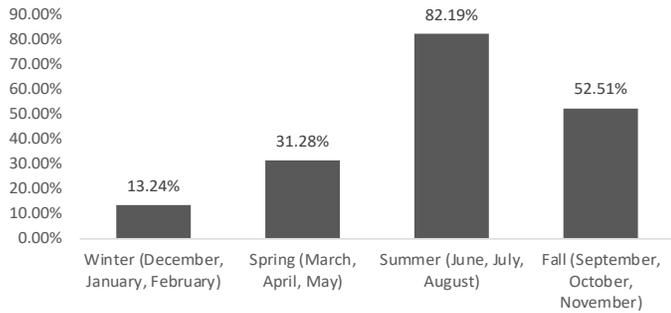
How often do you visit the park?



**Q.3 IN WHAT SEASONS DO YOU TYPICALLY VISIT THE PARK? (SELECT ALL THAT APPLY)**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
WINTER (DECEMBER, JANUARY, FEBRUARY)	13.24%	58
SPRING (MARCH, APRIL, MAY)	31.28%	137
SUMMER (JUNE, JULY, AUGUST)	82.19%	360
FALL (SEPTEMBER, OCTOBER, NOVEMBER)	52.51%	230
ANSWERED	438	
SKIPPED	74	

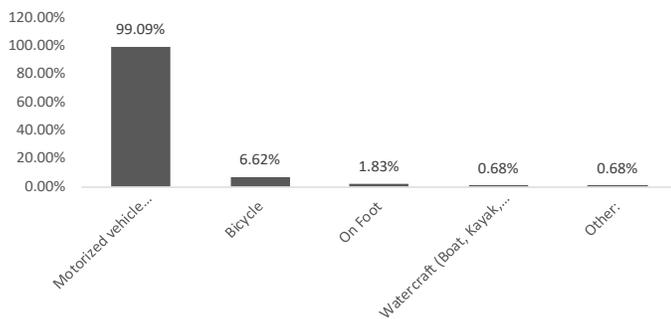
In what seasons do you typically visit the park?  
(Select all that apply)



Q.4 HOW DO YOU TRAVEL TO THE PARK?  
(SELECT ALL THAT APPLY)

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
MOTORIZED VEHICLE (CAR/TRUCK/RV/MOTORCYCLE)	99.09%	434
BICYCLE	6.62%	29
ON FOOT	1.83%	8
WATERCRAFT (BOAT, KAYAK, CANOE)	0.68%	3
OTHER:	0.68%	3
ANSWERED	438	
SKIPPED	74	

How do you travel to the park? (Select all that apply)



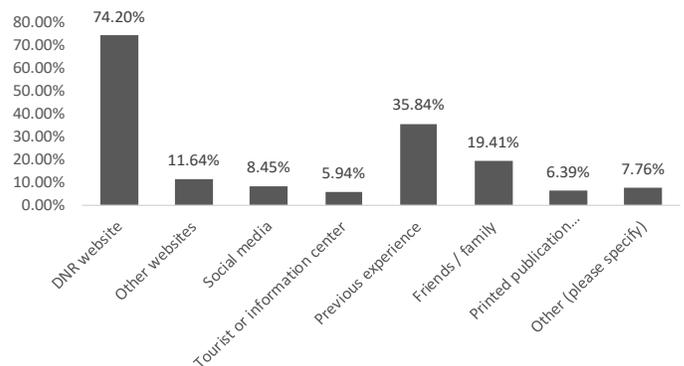
**Other:**

1. Vehicle only. Survey kept selecting other and made me fill this line out
2. Hi
3. We have just moved to the area...and would like to go to the park by bicycle...just haven't had the chance yet

Q.5 FROM WHICH OF THE FOLLOWING SOURCES DID YOU GET INFORMATION TO PLAN YOUR TRIP TO THE PARK?  
(SELECT ALL THAT APPLY)

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
DNR WEBSITE	74.20%	325
OTHER WEBSITES	11.64%	51
SOCIAL MEDIA	8.45%	37
TOURIST OR INFORMATION CENTER	5.94%	26
PREVIOUS EXPERIENCE	35.84%	157
FRIENDS / FAMILY	19.41%	85
PRINTED PUBLICATION (MAGAZINE, BOOK, BROCHURE)	6.39%	28
OTHER (PLEASE SPECIFY)	7.76%	34
ANSWERED	438	
SKIPPED	74	

From which of the following sources did you get information to plan your trip to the park?  
(Select all that apply)



**Other (please specify):**

1. geocaching map
2. I work at GT Lighthouse
3. None. Life-long resident of the area
4. Local resident, county newspaper PR
5. none--familiar with park and area
6. Bike Leelanau, NMMBA
7. Michigan State Parks Centennial Geo-tour
8. Just the DNR website and google
9. we are N. Cathead Bay property owners
10. Google Maps- To get a better view of the park itself and to see what else is around
11. google maps
12. Try to visit all state parks

13. DNR Employee
14. We visit leelenau county every year
15. Nearby residents
16. it was by chance we stayed there , We liked it so much , it was our go to place to camp
17. We visit state parks we see on our route to where ever we plan to go.
18. Hi
19. Live nearby
20. We have been going there for years
21. We had visited once and knew we wanted to camp there.
22. MAP
23. Billboard announcing an Shipwreck Exhibit
24. Can't say we plan those trips. I've been visiting the park most of my life.
25. State of Michigan map
26. previous visits
27. Adventure Cycling Magazine
28. Been camping at this park for 25+ years.
29. My family resides in Northport and I grew up there
30. Bike club
31. Live close
32. I was at the Homestead in Glen Arbor and wanted to checkout the park as I am an avid camper. I've know about the park but never visited prior to 2019.
33. Past experience
34. happened to drive by the park and saw signs to lighthouse

Q.6 WHAT THREE WORDS WOULD YOU USE TO DESCRIBE LEELANAU STATE PARK TO SOMEONE WHO HAS NEVER VISITED?



Words most frequently used to describe the park. Words that were used three or more times are included. Larger word size indicates a more frequent response.

Q.7 PLEASE CHECK ALL THE ACTIVITIES IN WHICH YOU PARTICIPATE AT LEELANAU STATE PARK. (SELECT ALL THAT APPLY)		
ANSWER CHOICES	RESPONSES	RESPONSE COUNT
VISITING THE LIGHTHOUSE	81.46%	356
VISITING THE SHORELINE	94.28%	412
FISHING	5.95%	26
HUNTING/TRAPPING	2.97%	13
FORAGING (E.G., MUSHROOMING, BERRY PICKING)	10.98%	48
ROCK HOUNDING	35.01%	153
GEOCACHING	3.43%	15
NATURE VIEWING/STUDY	56.06%	245
SCENIC VIEWING	85.13%	372
NON-MOTORIZED BOATING/PADDLING	13.27%	58
CAMPING AT CAMPGROUND OR CABINS	76.20%	333
BIRDING	19.45%	85
PICNICKING	25.17%	110
PLAYGROUND USE	12.36%	54
PHOTOGRAPHY	36.84%	161
CROSS-COUNTRY SKIING	8.92%	39
SNOWSHOEING	7.78%	34
ROAD BIKING	12.81%	56
WINTER FAT TIRE BIKING	3.20%	14
HIKING/DOG WALKING	51.49%	225
TRAIL RUNNING	10.07%	44
SPECIAL EVENTS (FUNDRAISERS, RACES, ETC.)	5.03%	22
VOLUNTEERING	2.52%	11
OTHER (PLEASE SPECIFY)	5.72%	25
ANSWERED	437	
SKIPPED	75	

5. Astronomy
6. garlic mustard control- I work for the Leelanau Conservancy and have helped with the land surrounding Lighthouse West Natural Area
7. Great astronomy.
8. Swimming
9. Easy access to the whole area
10. dirt & gravel road riding
11. Swimming
12. We like to hike the nature preserves in Leelanau County also. I would check paddling but water access NIL.
13. Great park
14. Dog Friendly Cabin stay!
15. Playing at the beach
16. Hiking and beach
17. Swimming,
18. I spend two weeks at the park each year doing a lot of writing and reading in Site 19.
19. Biking the campground
20. Wine tasting
21. dog walking
22. swimming
23. Star gazing
24. was visiting to checkout the park for future camping trips
25. want to do cross country skiing...especially skate skiing ...and snowshoeing

**Other (Please specify):**

1. wine tasting in nearby cities
2. Meeting with family from downstate
3. Hiking/cat walking
4. Star gazing

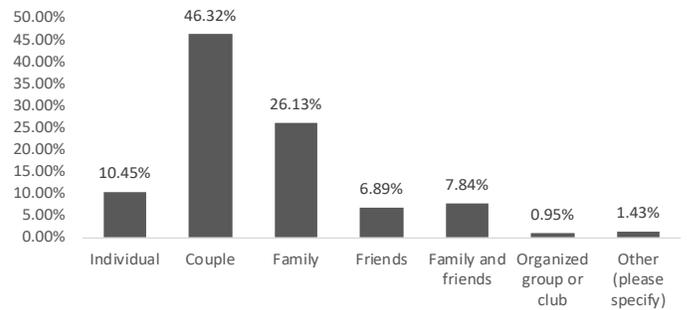
**Q.8 WHICH ONE ACTIVITY MOST INFLUENCES YOUR CHOICE TO VISIT THE PARK?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
VISITING THE LIGHTHOUSE	5.29%	23
VISITING THE SHORELINE	15.40%	67
FISHING	0.46%	2
HUNTING/TRAPPING	0.46%	2
FORAGING (E.G., MUSHROOMING, BERRY PICKING)	0.23%	1
ROCK HOUNDING	0.92%	4
GEOCACHING	0.92%	4
NATURE VIEWING/STUDY	1.38%	6
SCENIC VIEWING	7.59%	33
NON-MOTORIZED BOATING/PADDLING	0.69%	3
CAMPING AT CAMPGROUND OR CABINS	50.80%	221
BIRDING	0.92%	4
PICNICKING	0.00%	0
PLAYGROUND USE	0.00%	0
PHOTOGRAPHY	0.00%	0
CROSS-COUNTRY SKIING	1.61%	7
SNOWSHOEING	0.00%	0
ROAD BIKING	1.15%	5
WINTER FAT TIRE BIKING	1.61%	7
HIKING/DOG WALKING	6.44%	28
TRAIL RUNNING	1.38%	6
SPECIAL EVENTS (FUNDRAISERS, RACES, ETC.)	0.46%	2
VOLUNTEERING	0.69%	3
[INSERT TEXT FROM OTHER]	1.61%	7
ANSWERED	435	
SKIPPED	77	

**Q.9 ON YOUR LAST VISIT, WHICH STATEMENT BEST DESCRIBES YOUR PARTY?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
INDIVIDUAL	10.45%	44
COUPLE	46.32%	195
FAMILY	26.13%	110
FRIENDS	6.89%	29
FAMILY AND FRIENDS	7.84%	33
ORGANIZED GROUP OR CLUB	0.95%	4
OTHER (PLEASE SPECIFY)	1.43%	6
ANSWERED	421	
SKIPPED	91	

On your last visit, which statement best describes your party?



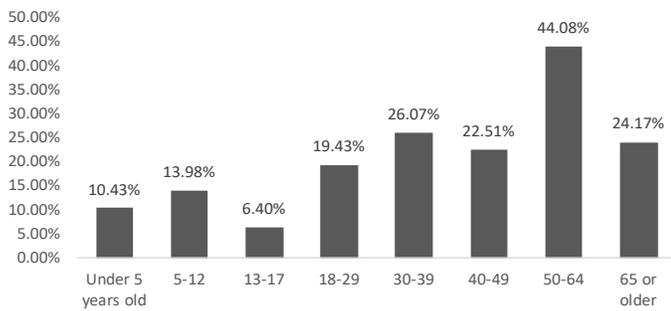
**Other (Please specify):**

1. Dedication of playground
2. individual with dog
3. Mom/daughter
4. Individual and dog
5. Couple and dog
6. J

**Q.10 ON YOUR LAST VISIT, WHAT AGE RANGES WERE IN YOUR PARTY, INCLUDING YOU? (CHECK ALL THAT APPLY)**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
UNDER 5 YEARS OLD	10.43%	44
5-12	13.98%	59
13-17	6.40%	27
18-29	19.43%	82
30-39	26.07%	110
40-49	22.51%	95
50-64	44.08%	186
65 OR OLDER	24.17%	102
ANSWERED	422	
SKIPPED	90	

On your last visit, what age ranges were in your party, including you? (Check all that apply)



**Q.11 DAY USE FACILITIES: FOR ONLY THE FACILITIES YOU VISITED, PLEASE RATE YOUR LEVEL OF SATISFACTION WITH THE FOLLOWING FACILITIES (1 = HIGHLY DISSATISFIED, 5 = NEUTRAL, 9 = HIGHLY SATISFIED):**

	1	2	3	4	5	6	7	8	9	N/A	TOTAL	WEIGHTED AVERAGE
TRAILS	1.27%	1.53%	1.02%	0.76%	9.67%	3.31%	15.27%	18.58%	38.42%	10.18%	393	7.57
SCENIC OVERLOOKS	2.00%	0.75%	0.50%	0.25%	4.74%	3.49%	9.98%	20.45%	51.37%	6.48%	401	7.98
PARKING	1.49%	1.24%	0.99%	0.99%	7.43%	2.97%	11.14%	18.81%	50.50%	4.46%	404	7.84
PICNIC AREA	0.27%	0.82%	0.27%	0.54%	13.08%	2.18%	9.26%	11.17%	22.89%	39.51%	367	7.33
PLAYGROUND	0.56%	0.84%	1.68%	1.96%	15.36%	2.23%	4.75%	3.91%	12.29%	56.42%	358	6.44
LIGHTHOUSE	1.25%	1.50%	0.25%	1.00%	7.50%	2.75%	11.25%	22.00%	43.25%	9.25%	400	7.79
VAULT TOILETS	3.25%	4.25%	4.25%	6.75%	19.00%	6.75%	15.00%	15.00%	17.00%	8.75%	400	6.19
ANSWERED	418											
SKIPPED	94											

### Q.12 WHAT DID YOU LIKE MOST ABOUT YOUR EXPERIENCE DURING YOUR LAST VISIT?

ANSWERED	365
SKIPPED	147

(30 randomly selected responses follow. Full results available upon request)

#### Responses:

2. Located close to where I live
10. Public access to trails
27. Shoreline
36. the historical buildings and contents
56. Wild atmosphere and being away from madness
61. Walking around, the beauty and history and the exhibits in the fog signal building. Love the gift shop, haunted lighthouse weekend and the friendly staff
74. lighthouse
75. Less people than other places
76. Seeing the changing water levels
77. Solitude
99. The sound of the waves
107. The beautiful sunsets and water sounds at night
117. A beautiful park to use as a home base for the entire peninsula.
132. the variety of outdoor activities that were near the park, i.e., sleeping bear dunes and the nature conservancy areas/trails
135. It was a gorgeous autumn and windy the entire time
162. It was close to where I was fishing
182. Hearing the waves crashing on the shore.
189. It was quiet.
222. Lake view from campsite
229. Listening to Lake MI in the evening by the campfire
261. Our campsite was right on the water. We could grab the paddle board and jump right in.
287. Waterfront camping
294. Campground and shoreline
304. Quiet Less people
313. Enjoy the quiet
322. The mini-cabins are the best
346. Nice campground.
356. Opportunity to explore trails
357. The beach was splendid
362. Walking through the dunes to the beach

### Q.13 ARE THERE ANY CHANGES THAT YOU WOULD LIKE TO SEE MADE IN ORDER TO IMPROVE YOUR EXPERIENCE?

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
NO	42.82%	176
YES (PLEASE DESCRIBE)	57.18%	235
ANSWERED	411	
SKIPPED	101	

(30 randomly selected responses follow. Full results available upon request)

#### Yes (please describe):

2. like big fishing piers
19. modern restrooms, or service the vault toilets more often, they were GROSS
41. More wild areas
53. need to have a shower house at the camp ground
54. a real bathroom by the lighthouse instead of vault toilets
58. Showers!!!
60. fishing
67. Cleaner vault toilets
68. Modern bathrooms including showers.
81. toilets are gross...
84. Expanded campsites with electric
89. Light in vault toilet, water more accessible
93. Water levels are high- It may be necessary to adjust campground for this.
95. extend camping season at least through early November
101. There was considerable trash in our campsite that needed picked up when we arrived.
107. Permanent toilets would be nice.
108. Electricity and running water
123. Showers
129. We are pretty immune to pit toilets but the ones in the day use and lighthouse area were rank!
141. Filter on drinking water
154. Filter on drinking water
160. Connect camping area to other hiking areas such as the observation platform via trail. Generally expand the mileage of trails and connect them to the camping area and infrastructure.
166. wifi, electricity
167. Do not develop it further!

- 179. Having first come first serve campsites; changing the reservation system so that no shows don't occupy unused campsites; connection between the campground and hiking trails; connections to other conservancy land
- 184. Less events. There was a New Holland Beer dinner that day. It occupied the trail and the park near the campground. I'd prefer to keep things quiet.
- 188. Smother campsite
- 219. More equipped bathrooms. Not just vault toilets.
- 221. I wish the hiking trails were easier to access and either more connected to the campground or had a separate tent-only campground closer to them. Camping near the hiking trails/beach would be ideal.
- 227. floating dock on Mud Lake

- 124. Wineries
- 127. When we stay at this part we cover and travel over entirely Leelanau Peninsula.
- 151. Sleeping Bear National Shoreline
- 166. Sleeping Bear, Fish Town, Northport
- 173. North Port
- 191. Just the hiking trails and restaurants in Northport.
- 192. TC
- 208. Sutton's bay. Pyramid point. North port
- 222. sleeping bear dunes. tandem cider, moomers, sutton's bay farmers market, leelanau creamery, fishtown dog beach, anywhere we can take our dog
- 227. Leelanau Conservancy Lighthouse West Natural Area, Northport Village, Green Bird Winery, Leland
- 251. lighthouse, trails, beaches
- 254. Leland, Suttons Bay, Northport
- 256. Shanty Town, Beaches
- 263. Northport and Suttons Bay
- 280. Northport
- 284. Glen Arbor, Sutton's Bay, Traverse City

**Q.14 DID YOU ALSO VISIT OTHER ATTRACTIONS IN THE AREA DURING YOUR MOST RECENT VISIT? IF SO, WHAT ATTRACTIONS DID YOU VISIT?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
NO	29.31%	119
YES (PLEASE DESCRIBE)	70.69%	287
ANSWERED	406	
SKIPPED	106	

(30 randomly selected responses follow. Full results available upon request)

**Yes (please describe):**

- 1. sleeping bear dunes
- 12. Love to go to roam the peninsula, Sleeping Bear Dunes. Old Mission Peninsula, beaches, bays
- 21. I live in area but did visit Kilcherman's Apple Orchard
- 33. barbs bakery
- 49. Wineries around Leelanau Peninsula
- 61. wineries
- 65. Leland and beaches
- 67. Leland, Fishtown, Northport
- 91. sleeping bear dunes, variety of leelanau conservancy areas
- 93. The airfield, Glen Arbor, Sleeping Bear Dunes, Pyramid Point
- 95. Leland wine and food fest, visited wineries, area restaurants, fishtown
- 109. A township park just north of Northport.
- 113. Sleeping Bear Dunes
- 118. Scenic drive

**Q.15 DURING YOUR LAST VISIT, WERE THERE ANY ACTIVITIES YOU OR SOMEONE IN YOUR PARTY WISHED TO PARTICIPATE IN BUT WERE NOT ABLE TO DUE TO PERSONAL MOBILITY CHALLENGES OR LACK OF ACCESSIBILITY ACCOMMODATIONS?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
NO	95.88%	396
YES (PLEASE DESCRIBE)	4.12%	17
ANSWERED	413	
SKIPPED	99	

**Yes (please describe):**

- 1. handicapped parking is worthless
- 2. Handicapped access
- 3. Boardwalks on sections of trails would be great.
- 4. Restrooms at the lighthouse park.
- 5. visiting the lighthouse
- 6. Mountain bike trails
- 7. trails under water along lake shore
- 8. Climbing lighthouse tower
- 9. my elderly mother could not make it down to the beach due to overgrown bushes and badly maintained path from the lighthouse fog building museum
- 10. Well but no fault of the park really the water was just so high it flooded the benches for sitting.

11. Our daughter is mobility limited. The vault toilets we a big challenge as was accessing beach front
12. We had planned on canoeing- no access to the water. We always trail bike on our many trips, but all we rode was to the lighthouse and back.
13. The check in office had locked the fire wood supply by 5 pm one night and no one was around from the park to help us, the park specifically tells us to not bring outside wood... we had to cook on our fire so we went hungry and ended up leaving early because we had no wood.
14. Would've liked to have seen a fishing dock and a kayak launch at the Campground.
15. Swimming
16. Kayaking. Would like a designated boat ramp/ launch area.
17. Actually nobody in my party had any issues, but I noticed the picnic tables in the shelter were arranged in a way that only allowed someone in a wheelchair to access one table from the west side and no tables from the south side.

Q.16 HAVE YOU VISITED THE GRAND TRAVERSE LIGHTHOUSE (GROUNDS AND/OR MUSEUM)?		
ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	81.90%	344
NO	18.10%	76
ANSWERED	420	
SKIPPED	92	

Q.17 DID YOU GO INSIDE THE LIGHTHOUSE MUSEUM?		
ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	63.47%	212
NO	36.53%	122
ANSWERED	334	
SKIPPED	178	

Q.18 PLEASE RATE YOUR SATISFACTION WITH THE GRAND TRAVERSE LIGHTHOUSE COMPLEX (1 = HIGHLY DISSATISFIED, 5 = NEUTRAL, 9 = HIGHLY SATISFIED).											
	1	2	3	4	5	6	7	8	9	TOTAL	WEIGHTED AVERAGE
GRAND TRAVERSE LIGHTHOUSE COMPLEX	1.82%	1.22%	1.22%	0.30%	12.77%	6.69%	24.32%	22.49%	29.18%	329	7.26
ANSWERED	329										
SKIPPED	183										

Q.19 WHAT DID YOU LIKE MOST ABOUT YOUR EXPERIENCE?	
ANSWERED	227
SKIPPED	285

(30 randomly selected responses follow. Full results available upon request)

**Responses:**

1. Seeing a new location.
2. The buildings and grounds were well cared for.
4. understanding life in a lighthouse
5. history
8. The treasure hunt
17. Exhibits and history
21. History
33. Beautiful site.
39. Photogenic lighthouse, learning of it's history.

41. Authenticity and organization
63. the history, displays
74. Historic experience.
76. I liked the scenic views.
91. History
95. We only walked the grounds have no strong opinion
103. The view
105. History
109. Seeing a lighthouse!
132. History
133. The history
136. Cedars
138. History
145. I liked seeing the shipwreck stories and salvaged items. It really did a good job describing the history of shipwrecks in the area.
162. Being up in the lighthouse top, itself, and some of the interesting history. I also always enjoy the gift shop (3

- decades), which keeps getting better each decade.
- 179. The details, artifacts, history, and staff.
- 193. The view
- 208. Super interesting to view the area around lighthouse.
- 210. Rustic feel
- 214. I think the restored lighthouse and associated buildings are great.
- 218. Chance to see what living quarters were like for lighthouse tender

- 18. the person sitting the lighthouse wasn't informed or knew the history
- 19. Hours of operation were limiting, but I understand the staffing issues
- 20. Needs bigger budget for upkeep
- 26. less expensive to get in
- 28. A bit more guidance, maybe signage, about the various buildings.
- 31. Mosquitoes were killers!!
- 32. More open hours
- 33. Longer hours.
- 34. Maybe clean the building of cob webs more, the stone steps outside heading towards the water are crumbling a little. Not kept up like when I was a kid visiting.
- 35. Didn't realize you had to pay to go inside. Would be nice to have interpretive signage on outside if you prefer not to pay
- 36. Maintenance
- 37. Tell me if I can pick the fruit (I didn't the last time I was there).
- 40. I heard a young people's classical music group one time from the not-far-away music camp; that was wonderful. Could it come yearly?
- 42. The ROV display was inoperable... the kids really wanted to try it.
- 43. It would have been nice if it had been open so we could tour it.
- 45. I would have liked to have more information posted about what life was like for a lighthouse keeper.
- 50. Earlier or later hours for touring the lighthouse for campers who want to spend the day doing things that aren't near the lighthouse.

**Q.20 WHAT, IF ANYTHING, WOULD YOU CHANGE TO IMPROVE YOUR EXPERIENCE AT THE GRAND TRAVERSE LIGHTHOUSE?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
NOTHING	83.01%	259
PLEASE DESCRIBE THE DESIRED CHANGES:	16.99%	53
ANSWERED	312	
SKIPPED	200	

(30 randomly selected responses follow. Full results available upon request)

**Please describe the desired changes:**

- 1. Reduced costs; add all-family-access option! to state park pass perhaps
- 4. display descriptions updated
- 5. Change fog house exhibits more frequently.
- 6. Yes add more hands on exhibits for adults and kids.
- 7. REAL RESTROOMS not outhouses.
- 8. Not sure there is anything to improve, definitely not impressed or was it impressive
- 9. Continuous improvement of the exhibits... (have not seen the underwater robot yet)
- 11. Trail past the lighthouse leads to a beautiful spot to watch the sunset. It should be maintained/developed
- 13. Maybe more items to purchase at store such as nature and history books.
- 14. We travel with our dog, sometimes this causes us to skip things because they are not pet friendly.
- 15. Some exhibits could use more information, some could use a refresh. This is from circa 2014, things may have changed
- 16. The people working at the store. It was the slowest purchase I ever exy
- 17. We'd been in the lighthouse before and there was no entrance fee. We'd have gone in again for a free will offering but we're out off by set fee.

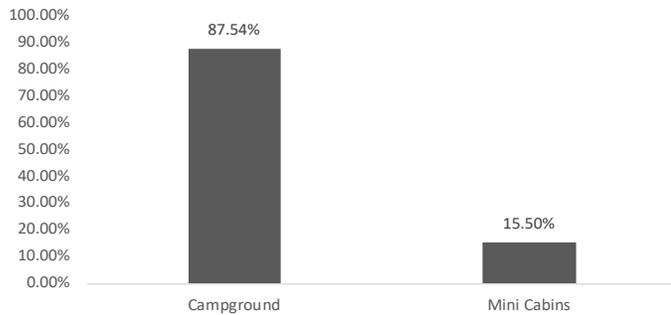
**Q.21 HAVE YOU EVER USED ANY OF THE OVERNIGHT ACCOMMODATIONS (CAMP-GROUND, MINI CABINS) AT THE PARK?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	80.19%	332
NO	19.81%	82
OTHER (PLEASE SPECIFY)	0.00%	0
ANSWERED	414	
SKIPPED	98	

**Q.22 WHERE DID YOU STAY THE LAST TIME YOU USED THE OVERNIGHT ACCOMMODATIONS AT THE PARK? (SELECT ALL THAT APPLY)**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
CAMPGROUND	87.54%	288
MINI CABINS	15.50%	51
ANSWERED	329	
SKIPPED	183	

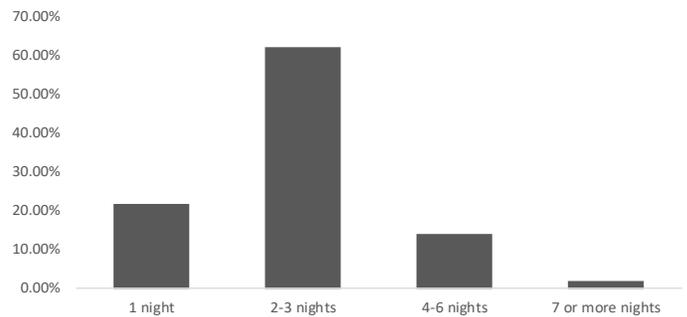
Where did you stay the last time you used the overnight accommodations at the park? (Select all that apply)



**Q.23 DURING YOUR LAST VISIT, HOW MANY NIGHTS DID YOU STAY?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
1 NIGHT	21.88%	72
2-3 NIGHTS	62.31%	205
4-6 NIGHTS	13.98%	46
7 OR MORE NIGHTS	1.82%	6
ANSWERED	329	
SKIPPED	183	

During your last visit, how many nights did you stay?



**Q.24 PLEASE RATE YOUR LEVEL OF SATISFACTION WITH YOUR OVERNIGHT ACCOMMODATIONS. (1 = HIGHLY DISSATISFIED, 5 = NEUTRAL, 9 = HIGHLY SATISFIED)**

	1	2	3	4	5	6	7	8	9	N/A	TOTAL	WEIGHTED AVERAGE
CAMPGROUND	2.48%	1.42%	1.42%	1.06%	2.84%	4.26%	14.18%	21.99%	45.39%	4.96%	282	7.76
MINI CABINS	0.87%	0.43%	0.00%	0.43%	5.65%	2.61%	2.17%	11.74%	18.26%	57.83%	230	7.61
ANSWERED	329											
SKIPPED	183											

**Q.25 DID YOU BRING YOUR PET(S)?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	25.53%	84
NO	74.47%	245
ANSWERED	329	
SKIPPED	183	

**Q.26 WHAT DID YOU LIKE MOST ABOUT YOUR ACCOMMODATIONS?**

ANSWERED	279
SKIPPED	233

(30 randomly selected responses follow. Full results available upon request)

**Responses:**

- 11. Location
- 20. Many sites have good privacy. Rustic so not just a noisy camper parking lot.
- 21. Lakefront
- 31. The seclusion
- 32. camping at the shoreline

- 36. The waterfront
- 37. The mini cabin we stayed at was Evergreen and when we arrived it was clean, and the electricity, heat and fan all worked well. We felt safe staying there.
- 39. rustic
- 49. Quiet, secluded
- 52. Quiet and respectful fellow campers.
- 54. hearing the waves and being in the lovely campground.
- 55. I like the fire pits
- 67. scenery
- 69. How close the sites were to the water
- 96. Location
- 100. Camp site next to lake
- 102. Location to Lake Michigan.
- 131. The distance between campsites was large.
- 141. Large campsites
- 143. The view
- 157. Simplicity
- 161. How close the site was the to water
- 165. Remote, rustic; minimal RVs
- 205. Our private beach directly from our campsite
- 209. Location, on the water
- 213. Its proximity to the water, size, tree coverage, fire pit.
- 232. It was quiet.
- 261. Nearness to the lake.
- 264. Comfortable but still rustic enough to feel like I am actually camping.
- 265. The tent site was close to the water and the cabins were surprisingly nice!

- 32. Pave the road ,see above
- 33. Cleaner vault toilets
- 35. flush toilets/shower facilities
- 37. The shore had a lot of brush in areas making it difficult to access the water.
- 53. Plumbing
- 57. Bathroom
- 58. having them better cleaned, inside and out
- 60. More out houses
- 61. Electricity and running water, public showers
- 69. A cooking grate over the fire pit would be great.
- 70. Larger area of grass or sand to put a tent. More privacy from the road.
- 71. Fly control
- 74. Make the fire wood supply open and not locked
- 81. NEED MORE SPACES
- 82. They should be pet free. Need sink. Could be cleaner
- 94. Some of the exhaust turbines on the vault toilets were rusted or had vegetation growing into them and not spinning, preventing ventilation
- 98. more cabins etc
- 104. Fresh water filling station for campers
- 107. Educate campers about not using excessive amounts of lighter fluid.
- 118. please no electric hook-ups. better filtration on the potable water.
- 121. I mentioned previously, having no shower limits the days we were willing to camp. I would love to stay longer but would need some option for showering and not everyone has or can use a camp shower
- 123. Build up roads & campsites to reduce flooding
- 134. More secluded campsites. Its nice to have neighbors but also nice to have some trees/bushes between each other.
- 135. A little more shrubbery or something to give some of the sites a little more of a private feel. It kind of dampened the romantic feel of being up there with someone special with others right there next to us.
- 141. Again, I love this park because of the beauty and peace. Parents who scream at screaming children are highly annoying.
- 143. Electric for camping
- 144. Bathroom was closed for repairs and we had to drive to a remote facility
- 152. I already mentioned the dusty road and planting more evergreens. There were also a ton of very large vehicles when we were there, it would be good to have specific spots (maybe there are and it wasn't clear) for those very large vehicles so they don't compact each and every campsite.

Q.27 WHAT COULD BE DONE TO IMPROVE YOUR SATISFACTION WITH THE ACCOMMODATIONS IN THE FUTURE?		
ANSWER CHOICES	RESPONSES	RESPONSE COUNT
NOTHING	51.74%	164
PLEASE DESCRIBE THE CHANGES YOU WOULD LIKE MADE:	48.26%	153
ANSWERED	317	
SKIPPED	195	

(30 randomly selected responses follow. Full results available upon request)

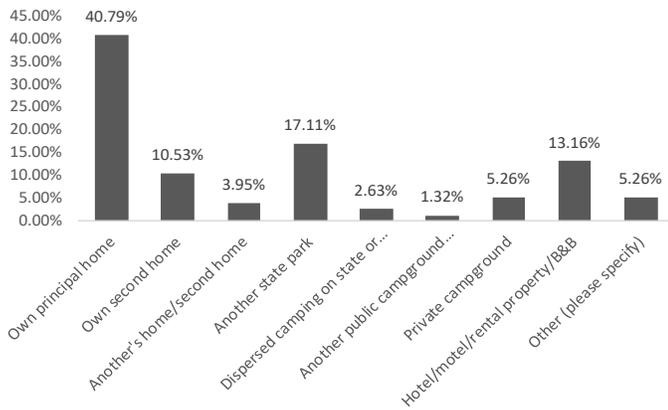
**Please describe the desired changes:**

- 15. Less crowding, if anything.
- 26. I mean real toilets / running water is always appreciated. But we knew what we were in for.

**Q.28 ON YOUR MOST RECENT VISIT, WHERE DID YOU STAY WHEN YOU VISITED THE PARK?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
OWN PRINCIPAL HOME	40.79%	31
OWN SECOND HOME	10.53%	8
ANOTHER'S HOME/ SECOND HOME	3.95%	3
ANOTHER STATE PARK	17.11%	13
DISPERSED CAMPING ON STATE OR FEDERAL FOREST LAND	2.63%	2
ANOTHER PUBLIC CAMPGROUND (FEDERAL, COUNTY, TOWNSHIP, ETC.)	1.32%	1
PRIVATE CAMPGROUND	5.26%	4
HOTEL/MOTEL/RENTAL PROPERTY/B&B	13.16%	10
OTHER (PLEASE SPECIFY)	5.26%	4
ANSWERED	76	
SKIPPED	436	

On your most recent visit, where did you stay when you visited the park?



**Other (please specify):**

1. relative
2. Leelanau sands casino
3. lighthouse as volunteer
4. on-site campsite

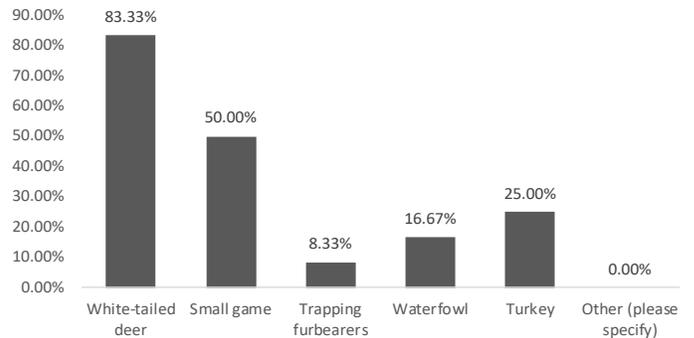
**Q.29 DO YOU HUNT OR TRAP AT THE PARK?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	3.65%	15
NO	96.35%	396
ANSWERED	411	
SKIPPED	101	

**Q.30 WHAT DO YOU HUNT OR TRAP? (CHECK ALL THAT APPLY)**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
WHITE-TAILED DEER	83.33%	10
SMALL GAME	50.00%	6
TRAPPING FURBEARERS	8.33%	1
WATERFOWL	16.67%	2
TURKEY	25.00%	3
OTHER (PLEASE SPECIFY)	0.00%	0
ANSWERED	12	
SKIPPED	500	

What do you hunt or trap? (Check all that apply)



**Q.31 PLEASE ENTER ANY COMMENTS YOU MAY HAVE ABOUT HUNTING AND TRAPPING AT THE PARK.**

ANSWERED	2
SKIPPED	510

**Comments:**

1. No active management, should remain available to the public.
2. Under used resource. Park does not stay open late enough in the fall. Should rain open until at minimum 12.01.2019 and better promotion of park operating dates

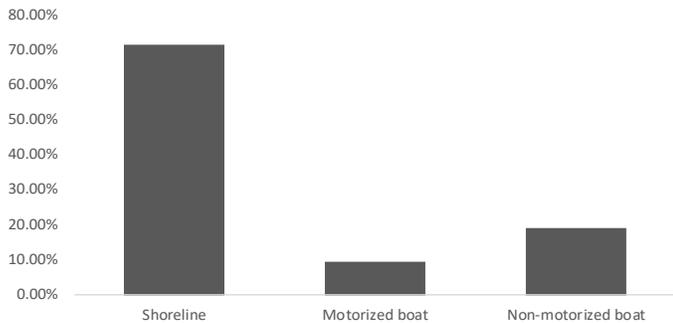
## Q.32 DO YOU GO FISHING WHEN YOU VISIT THE PARK?

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	5.35%	22
NO	94.65%	389
ANSWERED	411	
SKIPPED	101	

## Q.33 HOW DO YOU TYPICALLY ACCESS THE WATER FOR FISHING?

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
SHORELINE	71.43%	15
MOTORIZED BOAT	9.52%	2
NON-MOTORIZED BOAT	19.05%	4
ANSWERED	21	
SKIPPED	491	

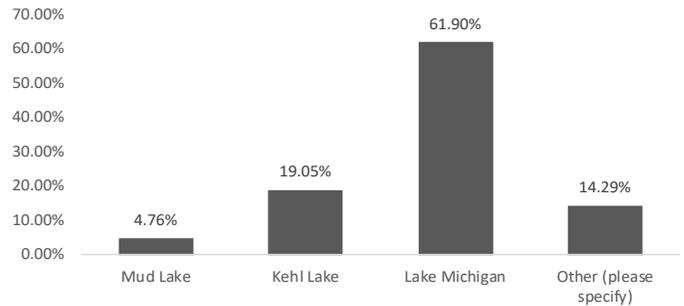
How do you typically access the water for fishing?



## Q.34 WHAT IS YOUR PREFERRED FISHING LOCATION WHEN VISITING THE PARK?

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
MUD LAKE	4.76%	1
KEHL LAKE	19.05%	4
LAKE MICHIGAN	61.90%	13
OTHER (PLEASE SPECIFY)	14.29%	3
ANSWERED	21	
SKIPPED	491	

What is your preferred fishing location when visiting the park?



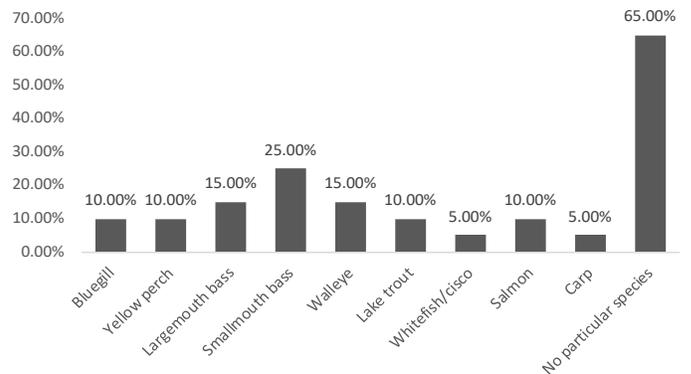
### Other (please specify):

1. Have not tried them all.
2. Grand Traverse Bay
3. Looking around still

## Q.35 WHAT IS YOUR TARGET SPECIES OF FISH? (CHECK ALL THAT APPLY)

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
BLUEGILL	10.00%	2
YELLOW PERCH	10.00%	2
LARGEMOUTH BASS	15.00%	3
SMALLMOUTH BASS	25.00%	5
WALLEYE	15.00%	3
LAKE TROUT	10.00%	2
WHITEFISH/CISCO	5.00%	1
SALMON	10.00%	2
CARP	5.00%	1
NO PARTICULAR SPECIES	65.00%	13
ANSWERED	20	
SKIPPED	492	

What is your target species of fish?  
(Check all that apply)



**Q.36 PLEASE ENTER ANY COMMENTS YOU MAY HAVE ABOUT FISHING AT/ NEAR THE PARK.**

ANSWERED	1
SKIPPED	511

**Comment:**

1. Need to add a fishing dock and a kayak launch.

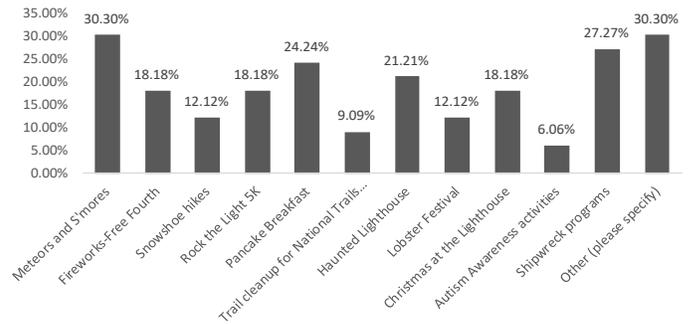
**Q.37 HAVE YOU PARTICIPATED IN A SPECIAL EVENT OR HOST PROGRAM (INTERPRETIVE HIKE OR ACTIVITY, PROGRAM OR CLASS, OUTDOOR SKILL CLASS, OR OTHER EVENT) AT THE PARK?**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
YES	8.56%	35
NO	91.44%	374
ANSWERED	409	
SKIPPED	103	

**Q.38 PLEASE SELECT THE PROGRAMS YOU HAVE PARTICIPATED IN AT THE PARK IN THE PAST. (SELECT ALL THAT APPLY)**

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
METEORS AND S'MORES	30.30%	10
FIREWORKS-FREE FOURTH	18.18%	6
SNOWSHOE HIKES	12.12%	4
ROCK THE LIGHT 5K	18.18%	6
PANCAKE BREAKFAST	24.24%	8
TRAIL CLEANUP FOR NATIONAL TRAILS DAY	9.09%	3
HAUNTED LIGHTHOUSE	21.21%	7
LOBSTER FESTIVAL	12.12%	4
CHRISTMAS AT THE LIGHTHOUSE	18.18%	6
AUTISM AWARENESS ACTIVITIES	6.06%	2
SHIPWRECK PROGRAMS	27.27%	9
OTHER (PLEASE SPECIFY)	30.30%	10
ANSWERED	33	
SKIPPED	479	

Please select the programs you have participated in at the park in the past. (Select all that apply)



**Other (please specify):**

1. Harvest festival
2. Bird migration hike
3. Winter trails day
4. Leelanau birding festival
5. lighthouse keeper
6. Winter sports trail open house, and volunteer trail clean up days for the winter sports trail
7. concerts
8. Trail to Table
9. My wife attended one or two other nature programs.
10. Trail to Table

# PUBLIC AND STAKEHOLDER INPUT

**Q.39 PLEASE RATE THE LEVEL OF SATISFACTION WITH THE PROGRAMS OR ACTIVITIES IN WHICH YOU PARTICIPATED. (1 = HIGHLY DISSATISFIED, 5 = NEUTRAL, 9 = HIGHLY SATISFIED)**

	1	2	3	4	5	6	7	8	9	TOTAL	WEIGHTED AVERAGE
METEORS AND S'MORES	0.00%	10.00%	0.00%	0.00%	0.00%	10.00%	30.00%	10.00%	40.00%	10	7.3
FIREWORKS-FREE FOURTH	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	33.33%	16.67%	50.00%	6	8.17
SNOWSHOE HIKES	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	25.00%	25.00%	50.00%	4	8.25
ROCK THE LIGHT 5K	0.00%	0.00%	0.00%	0.00%	0.00%	16.67%	0.00%	50.00%	33.33%	6	8
PANCAKE BREAKFAST	0.00%	0.00%	0.00%	0.00%	0.00%	25.00%	25.00%	12.50%	37.50%	8	7.63
TRAIL CLEANUP FOR NATIONAL TRAILS DAY	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	33.33%	66.67%	3	8.67
HAUNTED LIGHTHOUSE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	16.67%	16.67%	66.67%	6	8.5
LOBSTER FESTIVAL	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	25.00%	0.00%	75.00%	4	8.5
CHRISTMAS AT THE LIGHTHOUSE	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	50.00%	50.00%	6	8.5
AUTISM AWARENESS ACTIVITIES	0.00%	0.00%	0.00%	0.00%	50.00%	0.00%	0.00%	50.00%	0.00%	2	6.5
SHIPWRECK PROGRAMS	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	22.22%	44.44%	33.33%	9	8.11
[INSERT TEXT FROM OTHER]	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	20.00%	40.00%	40.00%	10	8.2
ANSWERED	33										
SKIPPED	479										

**Q.40 PLEASE ENTER ANY COMMENTS YOU MAY HAVE ON THE SPECIAL EVENTS OR PROGRAMS IN WHICH YOU PARTICIPATED.**

ANSWERED	10
SKIPPED	502

**Q.41 WHAT, IF ANY, ADDITIONAL PROGRAMS OR EVENTS WOULD YOU LIKE TO BE AVAILABLE AT THE PARK IN THE FUTURE?**

ANSWERED	10
SKIPPED	502

## Comments:

1. Very well run and fun for kids.
2. The live music is also great
3. Loved working at the Michigan cares for tourism
4. Would love for the bird festival to return but that has nothing to do with the park
5. Great to see the community come together to support the winter sports trail
6. Love the haunted lighthouse program, the enthusiasm of the staff, decorations etc
7. concerts were favorite
8. The Trail to Table was a great collaborative event with so many people of all ages participating.
9. This was the reason I came and stayed at the park.
10. Stargazing isn't something I normally do. Was nice to have an opportunity to do so.

## Responses:

1. Dark sky awareness/education.
2. Not sure.
3. Leave no Trace! My favorite pastime along the shoreline of this area is picking up trash. Funny, I see so many people come in, park, take a photo and leave. Many step over trash or worse leave it.
4. more concerts, special nature programs for children/families on wildlife, rock/fossil collecting, bird migration, seasonal, group hikes, fourth of July games/activities for kids, Sierra Club lectures on wildflowers & invasives, educational programs, bike rental day weekend, a night sky viewing event.
5. Unsure
6. Full service campsites
7. music/concerts

- 8. Bat walks
- 9. I would love to have this be an annual event.
- 10. 30 minute education session on the development and utilization of the lighthouse and what it has meant in terms of commerce.

Q.42 PLEASE SHARE ANY OTHER THOUGHTS YOU MAY HAVE ON THE PARK.	
ANSWERED	153
SKIPPED	359

**Comments:**

- 3. It's a hidden gem! Bathrooms and fire pits in campground used to be better maintained. A lot of small trash in campsites last summer too.
- 5. I have hunted with black powder in December for deer. I see potential conflicts with fat tire bikers.
- 11. It would be wonderful to have a trail connect the northern and southern units. Otherwise, please keep it the way it is.
- 12. a handful of electric sites in the campground to tone down the generators, would be nice.
- 13. Great park, in order for me to stay more than 2 nights I need to have access to a shower and flushing toilets. If that were added I would camp at the park more often.
- 17. I like that it is not busy and a place where you can get away as Leelanau County gets more busy and filled with people the Park is not overrun.
- 19. Always enjoy visiting this park for day trips and camping, with family or friends. I live in Traverse City so it's nearby and a real favorite.
- 24. Always enjoy visiting this park for day trips and camping, with family or friends. I live in Traverse City so it's nearby and a real favorite.
- 29. Don't develop it any further. It's a rare park that isn't jammed with RVs and noise.
- 54. Do not over-develop. Enjoy the rustic appeal of the shoreline and simple hiking trails. Thank you!
- 56. We love it here so much we actually store our camper in Northport so it is easy to stay numerous times through the camping season
- 58. It is a lovely park for visiting and camping. Please control the shrubbery overgrowth among the lake shore.
- 66. Keep the camping rustic and also maybe ban generators because they're so freaking loud
- 67. It needs to be preserved.
- 70. Staff should enforce quiet time at 10pm. Never have seen staff do this
- 84. We love camping here. It is one of the best state parks we have ever been to. The individual sites are not packed together. We loved our site on the water.

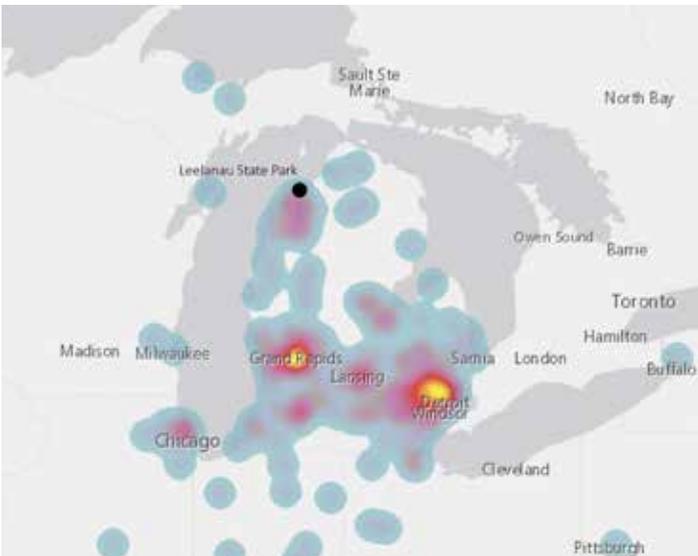
- 85. I was pleased there was a Park Steward available, because 2 campers came that my dog reacted to in a very wary way. Because of his unusual reaction, I notified the steward and she stayed that night. Thank you.
- 87. This park has so much opportunity. Please add campsites. Please add electric. Camping has become so popular in Michigan. It would be wise to capitalize on this popular tourist and economic opportunities.
- 93. The water from the spigot was YELLOW. Any chance of filters? Also, we'd really like electricity at a few sites.
- 102. Please keep this park in its simple natural state. It's beauty is in its simplicity & the abundance of tent campers.
- 103. It's a beautiful park.. cannot wait for my next trip.. would like to be able to shower every now and then.. wish the toilets did not stink so much.. (there is stuff you can do to make out houses less smelly).. and a place to wash hands
- 110. More group sites and campground spots
- 114. It's a great park, beautiful, private, natural. Part of what we like comes from it remaining rustic, no hot showers or indoor toilets, because fewer people--and mainly just those interested in old-time camping (more tent campers)--show up. We'd hate to see that change.
- 118. The campground hosts were very friendly and helpful.
- 123. I hope that any changes maintain the atmosphere of the park
- 134. I love that you remain a "rustic" campground. It's a peaceful, charming place to camp. We love it there!
- 143. This is one of my favorite state parks in Michigan. Let's keep it peaceful.
- 146. Please don't disrupt the peaceful atmosphere of the park or the sensitive dune soils and plants by putting in more mountain bike trails. Keep bikes out of the dunes.
- 148. Add mountain biking
- 152. There should be signage somewhere (hopefully close to Northport) explaining about needing a recreation passport. It can be upsetting to visitors to go to see the lighthouse and then find out they have to pay admission to the park and then admission to the lighthouse (many maps only show the lighthouse, and don't show that it's part of the state park)

Q.43 (OPTIONAL) SHARE A PHOTO OF YOUR EXPERIENCE AT LEELANAU STATE PARK! BY UPLOADING A PHOTO, YOU GRANT PERMISSION TO THE DNR TO USE THE PHOTO.

ANSWERED	66
SKIPPED	446

Q.44 WHAT IS THE ZIP CODE OF YOUR PRIMARY RESIDENCE?

ANSWERED	429
SKIPPED	83

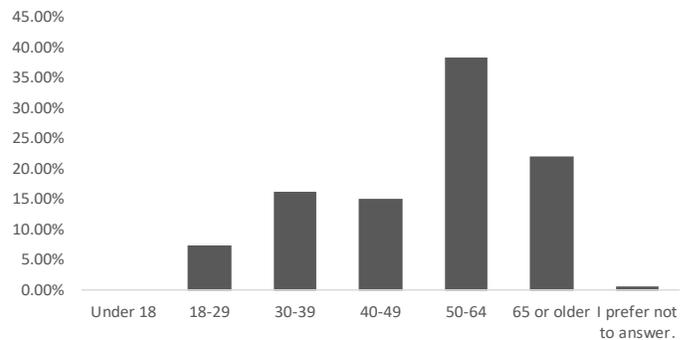


A map depicting the zip code of survey respondents' primary residence. Brighter colors indicate a greater concentration of respondents. A small number of respondents were located outside the map extent.

Q.45 WHAT IS YOUR AGE?

ANSWER CHOICES	RESPONSES	RESPONSE COUNT
UNDER 18	0.00%	0
18-29	7.44%	32
30-39	16.28%	70
40-49	15.12%	65
50-64	38.37%	165
65 OR OLDER	22.09%	95
I PREFER NOT TO ANSWER.	0.70%	3
ANSWERED	430	
SKIPPED	82	

What is your age?



## B.6 Summary of Draft Plan Public Input

The public was invited to share their thoughts about the Leelanau State Park Draft General Management Plan at a virtual public meeting that was hosted online by the Department of Natural Resources (DNR) on March 10th, 2021, from 6:00- 7:00 p.m. The meeting was originally scheduled to be held in person, but due to the coronavirus pandemic, the meeting was held virtually. The general public was notified about the meeting through a press release, internet postings, and email notifications. A total of 81 attendees were recorded.

The meeting began with a brief introduction of planning team members, followed by a short overview of the general management plan process, Leelanau State Park, and the draft general management plan contents. The presentation was followed by a short question and answer period. Topics discussed included details about the planned improvements, dark sky initiatives, invasive species control, land acquisition, and others. The answers to the questions can be viewed on the following pages.

At the end of the meeting, attendees were asked to visit the interactive public input survey link to review and comment on the statements of significance, management zone plan, and ten-year actions goals. There was also a section for additional feedback on the management plan and the input process. The survey link was posted to the project website, along with a recording of the meeting and the report of the questions and answers from the meeting. The survey link was open through March 30, 2021. Comments could also be submitted during that time via email.

Participants were asked to prioritize their top five action goals from the ten-year action goals list. Some of the top priority goals were:

- Propose a Natural Area Dedication for the open dunes along the Cathead Bay shoreline to protect the natural resources in perpetuity. (19 votes)
- Complete a natural resource stewardship plan for the park, identifying targets for conservation and related natural resource management strategies, including invasive species management. (14 votes)
- Continue to selectively manage vegetation to maintain views from shoreline campsites, scenic overlooks, and the lighthouse, while maintaining erosion protection. (13 votes)
- Continue to assess the park's infrastructure resilience to changing lake levels, natural disasters and climate change. (13 votes)
- Study options for drinking water and restroom upgrades and the feasibility of adding showers at the campground. (13 votes)

Many other themes were discussed within the survey comments and emails, such as the importance of maintaining the park's rustic character, protecting the fragile dune ecosystem, and more.

The following report is a listing of all comments received through the interactive public input survey as well as the email comments received. These items, along with other input from the public, will be considered as the planning team finalizes the general management plan.



Screenshots from the virtual public meeting presentation

## Virtual Public Input Meeting Questions and Answers

The following questions were asked by members of the public during the Leelanau State Park online public review webinar. The answers below were either given during the presentation or were answered by the planning team after the meeting concluded.

1. Snowmobiles were mentioned in the plan that was distributed. Is this still part of the plan?
  - a. Snowmobiles are allowed to be used in state parks unless there is a land use order of the director to close the park to them. Technically, the park is open to snowmobiles, as long as there is enough snow. There are no designated snowmobile trails on the park. If the dunes are designated as a Natural Area, snowmobiles would be legally prohibited within the boundaries of the Natural Area, as would all motorized use. There has not been any snowmobile use within the park that we are aware of. In the 1976 General Management Plan there was talk of some snowmobile trails, but that never came to fruition. We were not planning on putting in any snowmobile trails either.
2. I assume hunting falls under the recreation activities- will there be any changes to the hunting rules / areas in the park as they exist now?
  - a. In a state park, there has to be a wildlife conservation order to open land for hunting. Although most of the large southern parcel is open to hunting, land that was acquired more recently was not opened for hunting and we feel should be. In the northern section of the park, there is a very small triangle that is open to hunting that maybe doesn't need to be. We are not proposing any major changes, just some adjustments so that what is signed on the ground is the same as what is allowed in the wildlife conservation order. (Note: land use order of the director was incorrectly referenced in the meeting)
3. Is there a way to dial 911 from a land line when the lighthouse is closed? Could this be added and well signed? There is an inconsistent cell signal.
  - a. We do not have a landline available outside of employee work hours. A person could find the host camper or lighthouse keeper to get access to a landline after hours. I also believe there is a landline available at Woolsey Lake Airport. We could also find a spot along the shoreline where cell service does work and post that info at the park.
4. Would dark sky initiative include infra-red lighting for night safety?
  - a. There are several different levels of dark sky initiative (either voluntary or state designated) that would have different requirements. Dark sky compliant lighting can still be used for safety and could include infrared.
5. Plans/status of invasive species control (Autumn Olive)?
  - a. Invasive species control is covered in our Natural Resource Stewardship Plan, which is currently in draft form. The plan identifies environmental threats (including invasive species) and how to deal with them. The plan has an ongoing effort to focus resources toward the most important areas of the park.
6. Are motorboats allowed or would they be allowed on Mud Lake?
  - a. There is currently no developed access for motorboats on Mud Lake and no plans to create a formal access. However, there are no state or local rules that would prohibit motorized boat use, if launching were practical.
7. Did you consult/ask from any of the homeowner/ landowners on Cathead Bay Road in the Association? This is the first many of us have heard of any of this.
  - a. We did invite the Cathead Bay Association and we had representatives from that association present at our stakeholder meeting. We typically do not notify every neighbor of the park but hold this public meeting to encourage involvement. We also try to distribute our survey to as many people as possible.
8. Why isn't the campground shoreline designated as "primitive"?
  - a. Primarily due to the current level of use and disturbance. The planning team will review the draft zoning considering public comment before finalizing the plan.
9. I understand why users would want improved toilets in the day use area, but why are different toilets needed in the park?
  - a. Improved toilets was the most requested improvement cited by park visitors in our online survey. We are primarily looking at improved toilets in the day use area, which could also be used by campers. Composting toilets is one option we are considering, which is waterless or low water use and an environmentally sound waste disposal method.
10. Where would the storage garage go? What would be store here as opposed to Purkiss?
  - a. The storage garage would go in the day use area and would store maintenance equipment needed to maintain the campground and day use area, eliminating the need to transport equipment from Purkiss Road. It will also serve as a storage for firewood and allows us to keep equipment locked up and inside out of the rain and harsh sunlight. The size, location and aesthetics of the building will be considered to ensure it does not detract from the surroundings.

11. Are there funds available for acquisitions? Would any acquisition purchase be based upon fair market value via a qualified appraisal?
  - a. PRD applies annually to the Michigan Natural Resources Trust Fund for acquisitions. It is an extremely competitive grant program, so not every property on our list can be applied for. All DNR acquisitions are based on an appraised value. DNR cannot offer above the appraised value.
  
12. Are you working with, or will you work with, Leelanau Township in order to protect buffer areas along current and potential park boundaries?
  - a. We attend meetings for the township once a month to discuss things happening in this part of the peninsula and we are always open to discussing projects with Leelanau Township.
  
13. If Timber Shores goes through, would that change the priorities for the campgrounds?
  - a. It would not change our priorities. We are a rustic campground and do not want to compete with a full RV resort. Our goal is to find that fine line between stewardship (protection, management, or restoration) of natural resources and providing a recreational experience at the park.
  
14. With the land acquisition plan, are you approaching current landowners to purchase their land or waiting for land to come up for sale? How viable are easements to connect the two park sections at this point in time?
  - a. We do not typically approach landowners but do keep an eye on properties. If we notice that there is a for sale sign on a property, then we may approach them. Often, landowners with properties within the project boundary come to us. Easements are an option also, if an agreement with the landowner can be reached.
  
15. I worked with Stephanie on solar electric and solar hot water for the showers. are you still looking at this?
  - a. There were some difficulties with the solar shower proposal but we are reconsidering any and all options at this point.
  
16. Bike rentals
  - a. There are not any bicycle rentals in the park. Bicycle rental was tried many years ago and it was not a successful program. However, with the expanded road shoulders that allow better biking to the trailhead, we would be open to exploring options of a bicycle concessionaire at the park.
  
17. Why does there need to be a balance? This is a rustic campground? People who want showers can enjoy the campground then go somewhere else otherwise it is not rustic.
  - a. Showers was an improvement requested by park visitors in our online survey. A modest shower facility (if determined to be feasible) would improve the quality of stay for customers. The sites would still be rustic in character due to their size, the natural vegetation and lack of electricity.
  
18. What would the maximum be on the number of new sites?
  - a. This has not yet been determined. There are currently 51 sites in the campground. Our priority is to relocate those sites impacted by the high-water levels and currently closed to reservations. If additional sites were to be added, 10 would be the maximum (and likely less than that).
  
19. Why weren't homeowners WITHIN the project boundary not contacted to participate in the "stakeholder" preliminary inputs and discussions?
  - a. We typically do not notify every neighbor of the park individually but hold public meetings to get their input. We also try to distribute our survey as widely as possible to get a better understanding of what changes and improvements the community wants to see. The statewide Project boundaries were out for public comment for a month in the summer. Those comments were collected through a web viewer, where the commentor could tag comments to specific locations on a map.
  
20. Can the Coast Guard do something to improve the protection for the "aid to navigation" tower? Twice last year, I had to tell people to get off the tower...they had jumped the fence and were climbing up. this is a safety issue.
  - a. We have contacted the Coast Guard about this issue and will continue to contact them as issues arise. It is technically Coast Guard property and it remains with them to keep it safe. We just need to continue what we are doing and ask people to get off the tower if it happens again.
  
21. I saw somewhere about the possibility of adding electric to some sites. Is this part of the plan? Not a fan!!
  - a. No this is currently not being considered.

22. Was there any response from the tribal communities?  
That page is blank
- a. We did reach out to the tribal communities and did not receive any comment. We always send a letter to the tribal governments notifying them of the management plan effort and inviting them to contact us if they would like to talk to us about any aspects of the park.
23. Showers and flush toilets incurs a lot of cost in planning and the actual infrastructure expenses. Northport is between the two locations, and they've had a lot of issues with their sewer/water system as evidenced in past local news articles. How would this infrastructure develop be funded and maintained?
- a. This is an idea we are looking into at this stage. Cost of implementation and management would certainly factor into the evaluation process.
24. Could you expand on the future plans for bike usage in the park trail area?
- a. The trails within the dune area are not open to bikes, only to hiking, with the exception of the sandy colored dotted lines in the northern section of the backcountry area (looking at the Management Zones Map). Those trails are only open to fat-tire bikes seasonally, and while there is snow on the ground. We typically do not allow bikes in critical dune areas because of their potential for causing erosion and damage. One of the things we would like to do in the future is to link the northern portion of the park with the southern portion. Currently, the only means of transportation between the northern and southern units is by car, and we would like visitors to have the option of biking or walking from the northern unit to the southern trail systems.
25. Will [the campground] status change from rustic to semi-modern?
- a. Yet to be determined but if flush toilets and showers were added it may be considered semi-modern.
26. Have you coordinated with Leelanau Township in which the Park is located? They have an interest in what happens.
- a. We attend meetings for the township once a month to discuss things happening in this part of the peninsula. And we are always open to discussing projects with Leelanau Township.
27. Why not have more parking on Purkiss Road for access to the hiking trails? That would help campers and locals.
- a. Right now we have a parking lot for about 3 cars but we will evaluate the need for expanded parking.

## STATEMENTS OF SIGNIFICANCE COMMENTS

## PENINSULA DESTINATION

**Leelanau State Park is a destination drawing large numbers of visitors to the northern tip of the scenic Leelanau Peninsula. Visitors are attracted by the historic Grand Traverse Lighthouse, high vantage points atop the sand dunes offering scenic views of Lake Michigan and surrounding islands, and a rustic campground on the shore of Lake Michigan. Although highly visited, the park maintains a peaceful and “off-the-grid” feel due to the remote location and rustic amenities, which are part of the attraction.**

1. The addition of a small modern restroom (flush or composting toilets, showers) would enhance the camper experience. If added to the park, it seems the best location would be in the camp area, not out near the parking lot. It's important to retain the rustic atmosphere, and not become like Petoskey SP, for example---overcrowded and packed into sites. It's also important to consider the (in)ability of the the Village of Northport and Leelanau Township to accommodate larger numbers of visitors to the area, beyond current numbers, with grocery supplies, restaurant seating, etc. Don't get too big.
2. Agreed. I hear such glowing comments about this special place because it is off the beaten path. Preserving that nature connection and rustic enjoyment is important. It does bring a huge number of people to Northport, and (I think) the right people, to help out town thrive with a healthy remainder to visitors.

## HISTORIC LIGHTHOUSE

**One of the park's main attractions is the historic Grand Traverse Lighthouse, which is listed on the National Register of Historic Places and is a destination on the Lake Michigan Circle Tour. The associated lighthouse museum, rotating exhibits, educational tours and gift shop draw many visitors to the park year-round. An archaeological site, consisting of the remains of an earlier lighthouse, is also located within the park.**

1. The lighthouse is well kept and well managed. Its nice to be able to self-tour and take as much time as you want. It is kind of a surprise to have to pay, since you already paid the Park entrance fee. There is the sign at the entrance that states the fee; but many people don't read it. Maybe that organization could offer a book of passes for regular visitors.
2. The lighthouse is a very popular destination. I climbed that ladder to the top many times. I would like the museum and historical narrative to include more of our native history and ensure that the colonization of this area as part of its settlement by white people is not erased. I hope for collaboration with the tribe to restore land and co create the future of this place.

## TRAILS

**Leelanau State Park offers 8.5 miles of high-quality trails that are open to foot traffic. The trails are expanded seasonally to provide for a variety of winter recreation activities - the only public, groomed winter recreation trails in the area. The hiking trails allow visitors access to natural areas, scenic overlooks, Cathead Bay, and public hunting land.**

1. We hike the trails on a regular basis and love having access to such a diverse ecosystem. Please keep bikes off all dunes and bluffs. Does the park have a trail maintenance team of volunteers year round? Many local residents may like to participate. If possible, create more sections/loops/trails. Acquiring the properties/access between the North boundary of the existing Park and Lighthouse West (Conservancy) would be great!
2. These trails are incredible important to residents and visitors. I do worry about the heavy traffic and delicate ecology. This winter the trails were very eroded by people going off trail to avoid slippery ice . Preserving the land, and people's relationship are both important.

## SAND DUNES

**Visitors can experience roughly 1,000 acres of open and forested dunes within the park, designated as Critical Dunes, which are protected by state law. They are a fragile and invaluable resource that provide numerous natural, economic, and recreational benefits. There are several high-quality exemplary natural communities associated with the dunes: Great Lakes barrens, open dunes, interdunal wetlands and mesic northern forest.**

1. Prohibit bikes from all dunes and bluffs. Year round. Add more educational signage explaining the impact of human foot traffic on dunes. Public parking on Cathead Bay is really needed so people can access the waterfront. Why isn't there at least a small road shoulder parking area?
2. Yes. Agreed on importance of this 1000%

**BIRDING**

**The park’s location at the tip of the Leelanau Peninsula provides unique birding opportunities. Migrating birds, such as raptors, warblers and other neotropical songbirds, make landfall and congregate here before/after crossing Lake Michigan. As such, the park is listed as a destination on the Sleeping Bear Birding Trail, as well as within an Audubon Society designated Important Bird Area, highlighting this exceptional migratory flyway in the region. In addition, the western lakeshore is a protected Critical Coastal Habitat for the piping plover, a federally and state listed endangered species.**

1. Birding is an important feature/attraction of the Park! A quiet, reflective, individual or group hobby that there are too few of now. This is an activity that could be further promoted, due to it’s low environmental impact. Coordinate with Saving Birds through Habitat (local) to lead birding tours?? Local Audubon chapter?

**COLLABORATION AND SUPPORT**

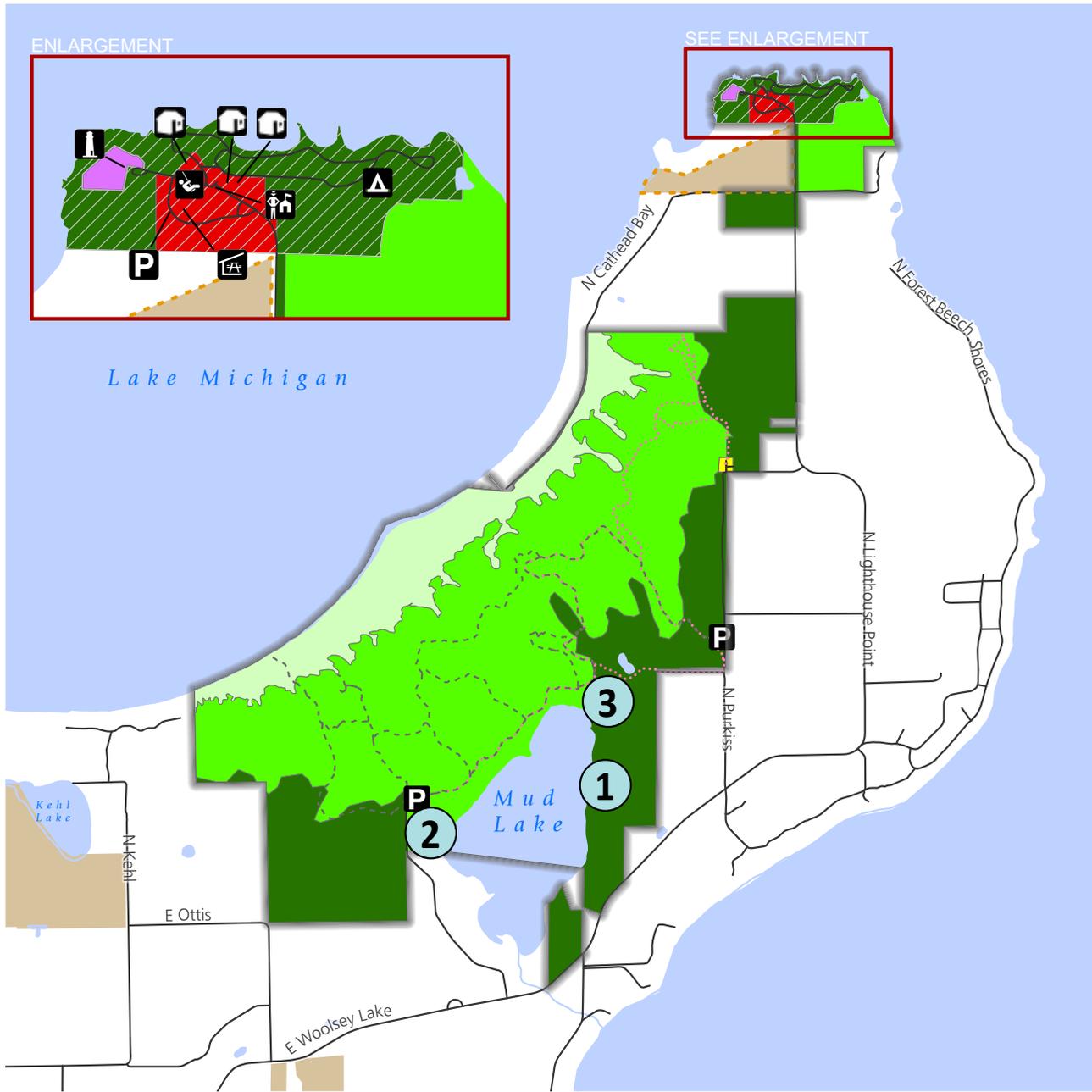
**The park has several non-profit partners that provide support and programming. The Grand Traverse Lighthouse Museum operates and maintains the lighthouse property and hosts annual events and educational programs. The Friends of Leelanau State Park hosts a variety of annual events, clean-up days, and fundraisers that support park improvements. The park partners with The Leelanau Conservancy to preserve and provide public access to the Lighthouse West Natural Area and other properties on the peninsula.**

1. How are these activities/partnerships “marketed”? (clean-up days, etc.) Has the Park considered becoming a “Dark sky preserve” as designated by the State of Michigan?

**ADDITIONAL COMMENTS**

Should any significance statements be added? Suggest a significance statement(s) that should be added to the above, if any.

1. It’s very important to keep this Park low key, low impact, low profile. So many state parks in this area have been “destination parks”. With that comes crowds, noise, 24 hr blazing campfires, children on bikes without supervision. All campers/park visitors are seeking the same thing---a get away, some relaxation, solace, adventure, exploration, or a combination of all of that. We are so fortunate here to have a well-managed park, small campground and generally respectful visitors. Keep the campground small-ish. All in all---well done!!! P.S. Anything that can be done to increase the number of dog owners picking up their dogs waste is greatly appreciated! Yech.
2. I think one of the significant areas that was not directly addressed above is the Natural Resource Recreation Zone around Mud Lake. The inland lake itself is a unique feature, and I think one prime recreational opportunity for that zone should be disc golf. The lake and its surrounding terrain would make it like no other disc golf course in our region, and although there are disc golf courses in other parks (Newaygo, Aloha, and Sleepy Hollow), a course involving the terrain around the lake and the lake itself as a “water hazard” would make it a very unique feature even when compared to these other State Park courses. If there were a disc golf course located there, my family would spend a lot more weekends camping at Leelanau for sure!!



LEELANAU STATE PARK GENERAL MANAGEMENT PLAN  
**Draft Management Zones**

Data Sources: Michigan CGI Data Library, Michigan Department of Natural Resources



Date: 2/2/2021



- Leelanau State Park Boundary
- Roads
- Hiking Trail
- Winter Recreation Trail
- Lakes
- Conservancy Land
- Lighthouse West Conservation Easement

- Primitive
- Backcountry
- Natural Resource Recreation
- Developed Recreation
- Administrative Services
- History Education
- Cultural Landscape Overlay

- Contact Station
- Lighthouse
- Mini Cabin
- Pavilion
- Campground
- Parking
- Playground

DRAFT MANAGEMENT ZONE COMMENTS		
COMMENT NUMBER	MANAGEMENT ZONE	COMMENT
1	Natural Resource Recreation	This zone and part of the adjacent zone surrounding Mud Lake would be an excellent location for a disc golf course.
2	Backcountry	This would be a fantastic area for the placement of a disc golf course. Having Mud Lake as a defining feature would make it a very unique recreational opportunity. The course could begin and end near the parking area, making a loop around the lake.
3	Natural Resource Recreation	The mix of wooded and open terrain in this zone around the lake would be excellent features for a disc golf course. The existing trails could be used as a means to travel between holes, with players throwing away from the trails to avoid other trail users.

ACTION GOAL PRIORITIES	
ACTION GOAL	VOTES
a. Continue to explore land acquisition of properties within the GMP Proposed Project Boundary	9
b. Continue to selectively manage vegetation to maintain views from shoreline campsites, scenic overlooks, and the lighthouse, while maintaining erosion protection	13
c. Continue to assess the park's infrastructure resilience to changing lake levels, natural disasters and climate change	13
d. Continue to pursue an easement and/or land acquisition to connect the north and south park units	12
e. Update the wildlife conservation order to resolve discrepancies between land that is open and closed to hunting	10
f. Complete a natural resource stewardship plan for the park, identifying targets for conservation and related natural resource management strategies, including invasive species management	14
g. Integrate the Lighthouse West property into the park through fee acquisition, integration of management and access, and create hiking trail connections to the rest of the park	6
h. Propose a Natural Area Dedication for the open dunes along the Cathead Bay shoreline to protect the natural resources in perpetuity	19
i. Conduct a cost/benefit analysis and study demand for development of a group campground within the park	0
j. Explore the potential for relocated and/or a limited number of additional rustic campsites/camping opportunities in keeping with the natural character of the park	9
k. Update the historic structures report for the Grand Traverse Lighthouse	3
l. Design and construct a storage garage at the day-use area	1
m. Study options for drinking water and restroom upgrades and the feasibility of adding showers at the campground	13
n. Update interpretive, wayfinding, and regulatory signage	6
o. Realign the campground road and modify or relocate campsites to ensure long-term sustainability from changing lake levels	12
p. Design and construct amenities for increased accessible recreation opportunities at Mud Lake	11
q. Implement improvements to the lighthouse complex in accordance with the historic structures report	10
r. Construct an artifact storage facility at the Purkiss Road administrative services zone	3

## ACTION GOALS COMMENTS

## GOALS TO REMOVE

Should any goals be removed from the list? Record action goal(s) above you disagree with, if any, and explain.

1. We suggest removing A, D and G. We appreciate the rustic and undeveloped nature of the two parts of the park. We do not support attempting to connect them with purchase of land or easements for walking or biking paths. There is easy access along paved roads in the area.
2. A, D & G. I believe that trying to connect the 2 parks through land acquisition should not be a top priority. For the average citizen, family with children, and casual user of the south portion of the park, biking or hiking from the Campground to the park and then hiking THROUGH the park and then biking or hiking BACK to the campground is a really LONG day of intense activity. The amount of money spent to make this happen, and the destruction to dune areas to do so, would be immense. That money can be better spent to upgrade the current Campground area, and perhaps put a biking trail along the paved county road to the south area of the park to make it safer for those hard core enthusiasts who wish to go there by bike, and upgrading bathroom areas at both ends of the Park.
3. Yes, items (a), (d) and (g). The 2 separate areas referred to as the north and south units are effectively 2 distinct parks with differing recreation purposes, audiences, and uses. Each has independent significance and benefits. Merging the 2 will dilute the advantages of each one. Joining the 2 units for growth's sake is a disservice to park users who enjoy the unique features each has to offer. Making the entire area one big single park will generate an overburdening of the area and cause a loss of valued attributes identified by Park users such as "small", "wilderness", "primitive", "isolated", "rustic" and "private".
4. I would remove or, at least, amend item (m.) Study options for drinking water and restroom upgrades and the feasibility of adding showers at the campground. Drinking water upgrades make sense, but the need for restroom upgrades and shower facilities is dubious. LSP's big draw is its remote nature and the lack of more modern amenities that you can find at other SP campgrounds, including nearby Traverse City and Interlochen. I also speak as someone who visits LSP at least once, and often multiple times, per year. My most recent campground stay was the weekend prior to the 2020 election, and it was my second LSP visit of the year. The restroom facilities are perfectly adequate. A showering facility would harm LSP's rustic image, and likely contribute to maintenance costs at the park. It may also have the contrary effect of increasing visitation by making the park more attractive, which could perhaps harm overall conservation efforts. Michigan's rustic state park campgrounds are very appealing to campers like me, who spend a good deal of time backpacking and view the rustic campgrounds as a more "luxurious" alternative to roughing it. There already are plenty of modernized state park campgrounds, and that's great for those who enjoy them. But we ought to be preserving the rustic campgrounds, especially lakefront ones that would benefit from fewer chances for human disruption.
5. No. But I'd like to see the North park be intelligently developed (no more play structures) and the South Park be left with minimal or no development. So some of the goals are good for the north but not for the south.
6. There is a HSR for the GTLM and no need redo until end of term.
7. No showers, no new buildings please
8. p. in my opinion is a waste of time, focus more on the connection of the properties/trails. There is no immediate parking other than off to the side for this area, its ugly, buggy and could be a lot of work.

## ACTION GOALS COMMENTS

### GOALS TO ADD

Should any goals be added to the list? Suggest any action goal(s) you think should be added to the above, if any.

1. Provide shelter(s) for lightning storms for campers. More storms mean more lightning. We have had issues camping in the northern lower peninsula in big unexpected lightning storms. Thanks for your work on our parks!
2. Develop and maintain a Year round mountain bike trail system
3. All the goals include “development” options. Other than removing invasive species, I’d like to see the area remain as natural and untouched as possible. Formal trails, campsites, buildings, “improvements” create impediments to the natural movement and mobility of all wildlife. I’d hate to see any wild species pushed off the peninsula in the name of “improving” the natural habitat. That said, Thank You for all you’re doing to maintain this great area! Al Ray
4. Protect the original lighthouse location for possible future archeological research
5. Maintain rustic, natural character as much as possible thanks
6. YES. The area around Mud Lake would be perfect for a disc golf course. This would bring more day use visitors that would otherwise might have no reason to visit. Having a campground nearby is a huge plus, there are many disc golfers that plan their vacations around locations that have disc golf courses with unique features. The proximity to Lake Michigan and all the other wonderful terrain features of the park make it a very attractive potential disc golf destination.
7. I think b. and o. could be combined. g. and d. could also be combined. I would like to see something about the promotion of the park specifically. The lighthouse is advertised beautifully, the park not so much. Whether this be better external signage, better community partnerships etc, the promotion of the park specifically seems far and few, with the exception of volunteer sources such as the friends group.

## ADDITIONAL COMMENTS

### ADDITIONAL MANAGEMENT PLAN COMMENTS

Please provide any additional comments you may have on the Leelanau State Park general management plan.

1. There are many admirable aspects of the general management plan, including keen attention to detail on important conservation efforts. I strongly support turning the dune area into a natural area, and am happy to see the DNR pay keen attention to detail when it comes to safeguard against the effects of lake rise and climate change. Other elements of the plan are far less appealing. Leelanau State Park’s rustic minimalism is the very reason for its allure. Modernizing or adding certain facilities may run contrary to some of the stated conservation goals by drawing more visitors to an already small park, thereby increasing the likelihood of adverse human impact on the area. Leelanau State Park’s lakefront setting makes the reduction of human impact even more important. There are plenty of modernized state park campgrounds in the state, and even this very region. Rustic campgrounds fill an important niche for people who prefer to forego certain amenities and enjoy a simpler camping experience. Leelanau State Park is one of the only of its kind in the adjacent region. We should protect that, and focus on conservation efforts that minimize the potential for detrimental effects.
2. Where remnants of old ownership (fence material, building slabs, posts w/ concrete, utility poles) exist they should be removed in the very near future. Though the State’s procurement policies are complicated, the effort should be done quickly. It’s doubtful that Force Account labor is going to accomplish this. After all, some debris may have been “state owned “ for over 45 years. Put the job out for bid.
3. This was a fantastic idea, and I hope that you will consider all of the ideas generated in this forum. I hope that other Michigan State Parks will adopt this same method of gathering public input, it’s a great way for people to remain involved in the process without having to physically attend a meeting that may be hours from home. Keep up the great work! Michigan State Parks are the BEST!!!
4. I feel that this plan needs a hard review. Many dates, “facts” and ideas regarding the history of the lighthouse specifically are inaccurate. Yes this plan is about LSP but the lighthouse is a huge part of the park and its attractions. It would be nice to have a clearer idea of what will be direct funding from the DNR, what will need to be fundraised and what will be expected of partner organizations. Education signage would be a HUGE and helpful addition to multiple areas of the park. Love that that is included.

ADDITIONAL COMMENTS

PUBLIC OPEN HOUSE FORMAT FEEDBACK

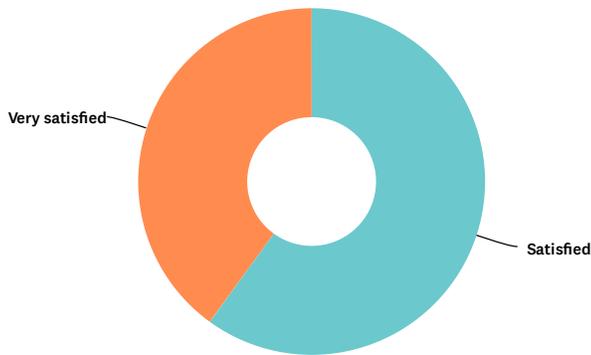
What worked well and how can we improve future virtual public open houses like this one?

1. If possible, better sound. Debbie was hard to hear clearly. Her image at times was sketchy but the audio should get the priority for improvement.
2. Heavily monitoring the session worked well however my chat box did not seem to be working- I was unable to respond to the initial introduction question about what the park means to us. Highly recommend utilizing something other than gotomeeting. I know the state is unable to use Zoom which is incredibly frustrating, but gotomeeting was equally as frustrating this evening for lack of interaction ability. I would have loved to hear more from the Stephanie and Kasey. These are the ladies that are on the ground seeing this park almost daily. It is much easier to relate to those that are so heavily involved with the specific park. I also would have loved to hear more about the lighthouse via the ED, Stef Staley. She is an immense wealth of knowledge and has a huge following. This is important and could be used to PRD's advantage. People trust her. I'm not sure in what aspect this could have been done being a management plan meeting but even an introduction from her or short synopsis about the lighthouse would have been appreciated. I recommend utilizing individuals like above for added relationship potential with your open house attendees.

ADDITIONAL COMMENTS

OPEN HOUSE FORMAT EXPERIENCE

Rate your experience with this virtual public open house format



ANSWER CHOICES	RESPONSES	
Very dissatisfied	0.00%	0
Dissatisfied	0.00%	0
Neither satisfied nor dissatisfied	0.00%	0
Satisfied	60.00%	3
Very satisfied	40.00%	2
<b>TOTAL</b>		<b>5</b>

## Public Comments Received via Email

**Online Comment 1** Received 3/10/2021

Jen, I have been a volunteer keeper at grand traverse lighthouse for 17 years. I noticed in your plan that you surveyed people who came to the camp grounds only. I am disappointed that visitors who came to the lighthouse were not surveyed. I believe a better representation of the visitors to Leelanau State Park would have been beneficial to your survey.

**Online Comment 2** Received 3/10/2021

Hello Debbie -

I was a participant in tonight's meeting regarding Leelanau State Park. This sounds like an excellent plan, I love every idea that I heard tonight. I was a little surprised that there was not more support for the Dark Sky, it seems like that would be a fantastic location for that activity.

What I would like to be involved with is the potential for developing a disc golf course in the park. If you are not familiar with the sport, I've included some links to some of the sites involved with the sport where you will find a lot more information. It has actually been around since the 1980's, there are more than 5000 courses worldwide and over 300 right here in Michigan. We are in fact one of the top destinations for vacationing disc golfers, for a lot of the same reasons that we are a hot spot for traditional golf - cooler summer temperatures and fantastic landscapes and scenery are the top attractions for players worldwide.

There are currently a handful of disc golf courses already established in Michigan State Parks and Recreation Areas, so this is something that those at the upper management levels of the DNR are already familiar with. Off the top of my head, I know there is a course at Sleepy Hollow in Laingsburg (I've participated in several tournaments there and it is a fantastic and beautiful course), Newaygo State Park (which has a very nice feature in that you can reach a lot of the holes by just taking a short walk from your campsite), Aloha State Park has a unique course that is ADA Accessible, and there are at least two State Recreation Areas (Holly Woods and Waterloo) that have had courses for several years now.

After participating in the meeting, I can see that one of the best potential spots for a disc golf course would be in the "Natural Resources Recreation Zone", that was shaded in a forest green color on the map, in the area around Mud Lake. A course here would be a long hike from the campground, but it looks like there are already parking areas and established trails in that zone. The lake itself is a defining feature that would make a course here interesting, challenging, and unlike any other in our region. Disc golf has experienced significant growth every year since 1990. Statistics such as the number of new players, the number of new courses, the count of PDGA Sanctioned Events, and the number of tournament players have all seen a 10-15% growth rate annually, for the last 31 years! It's hard to call that just a "passing fad". Recent events have shown that disc golf is also a very Covid-safe outdoor athletic activity, since most people like to play with family or friends, and you never have groups of more than 6 people together on one hole at any given time. The sport can be played by people of all shapes, sizes, genders, and ages. At some of the bigger events it is common to see players ranging in age from 10 to 80. It is a low-impact aerobic activity that has helped many people to get out and enjoy nature and get a little exercise too.

A lot of people when they hear the word "golf" get the mistaken impression that it would require drastic changes to the existing terrain. That is not the case with this sport, it was founded by environmentally conscious people who saw that it could combine the same thrills and challenges as traditional golf without having to sacrifice the natural features. Here's the top three differences between traditional golf and disc golf, and why it is a great choice for any long term recreation plan:

1. The equipment – instead of balls and clubs, players have a wide variety of different discs with different flight characteristics. These discs, which are made of a higher density plastic than the traditional Frisbee®, are not made for catching; they have an aerodynamic edge that has more in common with the track and field style discus. Golf discs, like their ancient cousins, are classified into the categories of putters, distance drivers (similar to "woods"), and mid-range drivers (similar to "irons").

2. The target – instead of a meticulously manicured green with a plastic cup for a hole, disc golf utilizes these galvanized steel catching devices, which are manufactured under several different names, the most popular being the DisCatcher® made by Innova. DisCatcher® are made with a special anchor and locking collar mechanism that not only discourages vandalism but it also allows a hole to have multiple pin placements just by having extra anchors. This makes it quick and easy to relocate the targets, or completely remove them during the off-season, which is a common practice used at ski resorts. Boyne Mountain, Crystal Mountain, Schuss Mountain, Hanson Hills and Hickory Hills are examples of several disc golf courses that coexist with ski areas right here in the northwest lower peninsula of Michigan.

3. The "fairways" and "greens" – in disc golf, the challenge is to utilize existing terrain features to define the layout of the course. This is not a construction project that requires bulldozers or other heavy equipment, most disc golf courses can be built using basic hand tools: shovels and saws are the standard items. The best designers employ a strategy of making the least amount of change as possible to the natural landscape. Established trails, pathways, and old two-track logging roads can be incorporated into the design not only as ways to get between the holes but as actual fairways. Mixing open and wooded terrain, as well as elevation changes and water hazards can all be incorporated into a course design. The more variety, the more appealing the course.

I am planning on filling out the survey that was discussed at the end of tonight's meeting, but with that limited amount of space I thought I could write you directly with some more details. I am the sole proprietor of a business that specializes in disc golf - Yeti Tech LLC, based right here in Traverse City. In addition to equipment sales, I have also been a disc golf course designer for 25 years, and I have designed and helped to construct 12 courses now in use all over the state of Michigan. I am also a very long-time experienced player and I have participated in three different world championships. I also manage a well-known private facility, Wild Haven Disc Golf Resort in Manton, Michigan. I have a "pro shop" on site where I sell discs and other amenities, there are two separate world-class 18 hole courses on the property, and I have sites for rustic camping too. It's safe to say that if you are looking for the most experienced disc golf course designer in Michigan, then you've already found him.

One of the other great attractions of getting a disc golf course in the ground is the cost. You can establish an 18 hole course suitable for beginners and pros alike for less than \$15,000. When you compare that to other recreational facilities, like a tennis court, a playground structure, or even a baseball diamond, it is a very low overhead. Not only that, but once in the ground disc golf courses need very little maintenance, the most common being mowing areas where the grass gets tall, or occasionally removing downed trees or limbs that might interfere with the course. Courses that have more woods than fields are great for this reason because that really makes the amount of mowing minimal.

Another nice thing about this sport is that if you have any kind of store facility on site - like a gift shop at the lighthouse or a store in the campground - you can get additional revenue for the park by selling disc golf related items through the shop. Discs, tee shirts, hats, umbrellas, and towels are some of the big sellers in disc golf shops. Many of these items could be custom made with the park name and DNR or park logo printed right on the design, which make these items promotional material for the park in general. I have contacts at all the major disc manufacturers that I deal with for my own business, so it would be very easy for me to set them up with the park management too, but until that time comes I enjoy being the middleman to help get these things done.

Wow - that ended up being a lot longer message than I had originally intended, but I think it demonstrates how passionate I am about this recreational activity that has literally saved my life in so many ways. I have a friend of mine that is equally obsessed to the point where we think of it as a religion - we call ourselves "frisbeetarians" because we think it has become such an important part of our lives. We both have sons that are 11 years old and it is very rewarding to see these youngsters get as enthusiastic about playing this sport as we are. I just wanted to spell out all the great benefits that disc golf could bring to Leelanau State Park, and if it is too late to add this to the current recreation plan, I hope that it is something you would keep in mind for the future. Until then, I am always eager and willing to answer questions, provide more information, attend more meetings or make presentations as needed. Please do not hesitate to reach out to me if this is something that you think might be a great fit at Leelanau State Park. Thank you for your consideration, and the time it took you to read all this! Also, please feel free to forward this message on to any other interested parties. I am very enthusiastic about doing this for any of the Michigan State Parks (Interlochen, Ludington, Petoskey, and Tahquamenon are the top of my wish list).

**Online Comment 3**      Received 3/10/2021

Jen,

Good luck in the meeting tonight. Hope you the park system is honest and interested in hearing peoples thoughts and not just for the sake of doing it.

Couple questions.

1-The new children's playground that was built shows that LSP does not really understand the value of nature as a space for kids to develop imagination, to allow an escape from people's everyday lives, WHICH is what the campground is for. So, how are we the public supposed to trust the judgement of any of the park's future plans for the park? Was the public consulted before putting in that playground?

2-I understand the neighbors of the area have not been consulted before hearing about the long trail you are considering. Is

that true?

3-Does the Park make money off of these “improvements”?

4-Does the park adhere to any theorists who are experts in keeping nature wild, places where people can disconnect from the hustle and bustle of modern life, etc.. when considering changes and improvements?

**Online Comment 4** Received 3/10/2021

Hello,

Will participants be given an opportunity to ask questions and/or make comments during the meeting?

Have decisions regarding proposed changes been decided or still under consideration?

Will any of the proposed “improvements” change the park’s status as a “rustic” campground?

Why are showers and group campsites considered an improvement?

How many state campgrounds are considered “rustic” currently and how does this compare to the total number of state campgrounds?

Has the DNR consulted with education professionals on best practices regarding environmental education for children and their families?

I have been camping at LSP for over 40 years. I’ve witnessed many staffing changes, the transition to a new ranger station, and ecological succession of the shoreline. Will I be given an opportunity to share a story of one of my experiences?

**Online Comment 5** Received 3/10/2021

My view:

The Leelanau Conservancy, a key player in the Master Plan development and efforts to link the north and south portions of the Park, has been quite fair in addressing land preservation and providing access to a broad spectrum of recreational demands, and with all its history of valuable work in our area - some of which I have assisted with (I helped build the Houdek Dunes stairway and parking lot), has actually become somewhat of a Real Estate Agency: They have their “Brand”, board of directors, staff, PR personnel, payroll, brick and mortar office, etc.. They broker transactions between parties which lately are characterized by removal of a privately owned natural area from the tax base, and converting it to a tourist attraction complete with their advertising sign, parking lot (pave paradise put up a parking lot?) intrusive signage, installation of stairs, benches, structures, removal of some invasive plants (a good thing), planting trees not part of the natural landscape, re-shaping contours and grades....all in the name of nature appreciation and accessibility. Notable is the flagship project Palmer Woods, with its 40 miles of trails (and counting) including trails and paths carved into the landscape specifically for skiers and bikes. These do offer a readily available alternative for the minority of the population interested in high density and mechanized trail use: making more trail development at Leelanau State Park redundant and unnecessary!

The area south of Lighthouse West and north of Purkiss Rd. is very natural, accessible, and needs no trail system (the only area of this sort in the Park). It should not be disturbed by mechanized travel, signage, etc.: all of which has been proposed by many “stakeholders”. Note that many of them represent Trail Organizations that exist only as long as they continue to install, improve and maintain more trails, Bike Rental, Tourism Promoters, the DNR itself, and other entities with vested interest in development, who see new improvements as a feather in their cap, an addition to their resume, a source of more revenue, “bringing dollars to the community” etc.. Perhaps well-intentioned but Misguided and totally inappropriate and counterproductive in this setting. Curious that most of the adjacent property owners, especially those of us WITHIN the “2020 Approved Project Boundary” were never directly contacted for input at any point during the planning process. Most of us are adamantly opposed to the mounting efforts to solicit and accommodate more visitors, more traffic, and more impact on the area – with the inherent physical, financial, and cognitive costs that go with it.

This area offers an opportunity to experience a quiet stroll across a large Undisturbed grassy field (potential natural prairie), a walk through a seasonal wooded wetland, a cedar swamp, and northern hardwood forest: becoming a rarer opportunity every day. These areas are currently accessible with existing 2 tracks, game trails, historic logging trails and orchard roads, and should remain unblemished by more unnecessary human intrusion. A chance to take the road less travelled – a chance to wander in the woods without signs or staring at a trail map via an app. on your iphone.....

**Online Comment 6** Received 3/12/2021

Hello,

I missed the zoom meeting as it was my wife's bday. I haven't been back to the park as I retired to Texas. LSP is near and dear to my heart. I was a Seasonal Ranger in the summer of 74 and lived in the Lighthouse for the summer. During that summer I worked with a handyman named Webb. We made campsites and information boards. We made racks to enclosed and build a cage on the 3 ton stake truck to pick up garbage. My end of summer report I took to Lansing Park Headquarters and was surprised to see things missing from the lighthouse when I visited years later as I specifically mentioned the world globe on the ceiling light and the coast guard posters on living room wall to be protected.

I'm glad to see that Cat Head cottages may be purchased and torn down someday to bring it back to its natural beauty.

Bringing both units together by acquiring this land protects the fragile environment of the dunes.

Please keep me in the loop.

**Online Comment 7** Received 3/17/2021

Thank you for allowing open dialog on the management plan for Leelanau.

As you most likely know, I was a Ranger there for over 35 yrs. During my time, I focused on stewardship and resource protection, while seeing an increasing number of both visitors and campers. Without the resource, why would anyone come to Leelanau?

I strongly encourage you to increase your protection zone/Natural area designation, to include the majority of the forested dune complex, as well as the Mudlake ecosystem.

There needs to be a balance between recreation, and long term resource protection.

Why? The creation of the so called winter recreation trail is a good example of how, without public input, well meaning people have deleteriously affected the wildlife's movement, and previous user/stakeholders.

If strong protection language is not there, more recreational developments will occur.

This special area is one of the last remaining fairly pristine coastal dune complexes left.

Fat tire bikers can ride in many other places, far less significant in their ecological complexity. Development is development, regardless of expected outcomes.

This Park is a far greater resource which has existed for many more years than the Lighthouse. I would encourage you to be cautious in your relationship with that organization.

As for the goal of connecting the two units, the small amount of inconvenience in getting to the trail head, has helped protect the more Northern reaches from heavy use, there will be significant impacts if you open a connection.

I can go on and on, as one might get guess I am about as invested in a that place as you can get. Saying that, I understand it means much to many many more, take our comments regarding keeping it as is seriously, please. Once it's unique features are degraded and destroyed they can never be restored.

Thank you once again, if you were ever interested in conversation about the Park, please reach out.

**Online Comment 8** Received 3/28/2021

Hello, we are providing feedback on the proposed general management plan for Leelanau State Park. Although we were not able to attend the meeting relating to the GMP, we reviewed the plan on the state web site and completed the portion where we indicated our top five action steps.

We have spent time on Cathead Bay for more than 30 years, and now own a home on Cathead Bay Drive. We have spent countless pleasant hours hiking the trails of Leelanau State Park, and the Lighthouse area is one of our favorite spots on the peninsula. We appreciate the rustic nature of the area, and the undeveloped feeling of both the north and the south portions of the park.

However, we do not support efforts to create a connection between the north and south parts of the park. The county road already provides an excellent way to move between the two areas. We are especially concerned that some may see Cathead Bay Drive as a means to access the shoreline south of the north part of the park. As property owners on Cathead Bay Drive, we strongly oppose any attempt to allow the public to use the private portion of the road. The private road may not be used for public access to state lands south of the platted residential land. Overuse of the access would likely cause damage to the fragile dune ecosystem in that area.

Please feel free to contact us if you have any comments or questions. Thank you.

**Online Comment 9** Received 3/29/2021

Hi Debbie,

First of all, I enjoyed being a part of the planning process and thought the public meeting on March 18th was well presented and informative.

I work at the NW Michigan Invasive Species Network (ISN) and we've collaborated with Stephanie Rosinski on several invasive related projects in Leelanau State Park over the years. ISN is a great community resource with over 60 regional partners and we often offer assistance to the DNR (training, invasive management assistance, etc) and can help as an educational resource for the public.

As you move forward with the park plan, please feel to reach out if you have any questions or want to check in on what resources we can currently provide; things like boot brush stations and interpretive signage, for example. Thanks for all that you do and I hope we can collaborate in some way in the future as the park plan is executed.

**Online Comment 10** Received 3/30/2021

First a little background about myself and family. Although we are not permanent residents of Northport we have a history with the area and Leelanau State Park. My parents had a cottage in the 60's across from Northport Point where I used to spend my summers and experienced the park. After my parents sold their cottage my wife and I continued our visits to Northport and camped for almost 30 years there with our now adult children. We now own a cottage on Cathead Bay Rd. and still frequent the park with our grand children. We bought our cottage because of our love of the natural surrounding area, it's quietness, beauty, full of nature... I could go on and on. Twenty years ago we went to the meeting when the Lighthouse people wanted to take over the park to object to their expansion proposal etc.

I am writing this on behalf of my family, my children and grandchildren. We do not want to see the park changed - period. It doesn't need to be expanded, improved or updated. Only maintained as Al Ammons, the former Park Ranger did. We were quite suprised to find out way after the fact that there was a state park survey followed by a stakeholder workshop about the park management plan. We would have liked to have known about this park management plan from it's origination and been a part of the planning stages. Like Chris and Deb Stannard, who own the 59 acres between the north and south portions of the park, we would have liked to know about all of this "plan". In summary, there are enough people who venture onto our private properties along Cathead Bay and we don't want to encourage any more thru park improvements and/or land aquisitions. We will continue to support the park but want it to remain as it is. It's great that the DNR is at least looking at a 10 to 20 year management plan but sometimes things are just better left the way they are.

**Online Comment 11** Received 3/31/2021

We wanted to provide feedback on the proposed general management plan for Leelanau State Park. We have reviewed the plan and your request for comments, and we appreciate having this ability to provide comments.

We love Cathead Bay, and we love the public lands around us. We own a home on Cathead Bay Drive, and we have been coming up to Cathead Bay since 1989. We have walked and biked through the campground and have hiked the trails of the State Park many, many times, and love its primitive feel. We have been and continue to be committed to being responsible users and property owners, and to keep the public lands around us in their wild and pristine condition. We would really like to see that continue – to stay beautiful and primitive and accessible to all visitors.

That said, we are concerned about how the north and south parts of the state property would be connected. We have always used the county road to move between the two parts of the park, and we believe that continues to be the best option. The county road is not so heavily used that it cannot continue to be the best option. Even a dedicated biking lane next to the county road would be a good option for more flexible travel between the two parts.

What would concern us is any use of Cathead Bay Drive as a way to connect the two parts and to bring visitors to the shoreline south of Cathead Bay Drive and south of the cottages. As property owners on Cathead Bay Drive, we would like to see our road kept in its primitive condition as well, as it is a privately maintained gravel road for the property owners. Any use of the private road would likely do damage not only to the road but to the fragile ecosystem around it. We would strongly oppose any use of our private road to access the dune land south of the private residential area.

We will continue to be excellent neighbors and avid users of the beautiful land around us, but would want the road to remain privately used by the residents who maintain the road. Thank you for your consideration of these comments.

**Online Comment 12** Received 3/31/2021

Please reconsider changing the parks' status from rustic to semi-modern.

I advise the Michigan Dept. of Education in Early Childhood Education and am an Environmental Education specialist. What children and families need is downtime and LSP provides the rare opportunity to do so. Please refer to "forest bathing" and the book "Last Child in the Woods." Your plans encourage the developed world to enter the world of nature under the false narrative of "recreation." As Rachel Carson has said,

"If a child is to keep alive his inborn sense of wonder ... he needs the companionship of at least one adult who can share it, rediscovering with him the joy, excitement, and mystery of the world we live in."

—Rachel Carson

Your plan assumes that recreation is entertainment. There are many distractions and pressures on families today. Your monies would be better spent educating families regarding slow knowledge and the awakening to the wonders of the natural world.

I am looking for the survey and hope to contribute more regarding your plan.

**Online Comment 13** Received 4/9/2021

As District Forester with the Leelanau Conservation District, we are trying to help educate residents and visitors to Leelanau County about the critical time to not prune/injure and oak tree to help control the spread of oak wilt. We have a great poster that could help convey that message. We have Northport landowners hand delivering our flyers or we can email a pdf that could be used to post around the state park. Thank you.

**Online Comment 14** Received 4/18/2021

Ms. Jensen, I would like to encourage you to better protect and interpret the site of the original lighthouse. Lighthouse manager Stefanie Staley has been very good about mentioning this site and the amazing stories associated with it. But I noticed that it is not well protected or managed. I would strongly urge you to include the protection and interpretation of this important site in your new plans for the park.

Appendix C:

# Opinion of Probable Costs

## C.1 State Park Funding

The primary funding sources for state park improvement and development projects are Recreation Passport sales (motor vehicle registration fee), the Park Endowment Fund (generated from royalties from oil, gas and mineral extraction on public land) and the Park Improvement Fund (from camping and other state park user fees). One-time appropriations from the state General Fund may also be earmarked for specific needs but are not guaranteed. The annual capital outlay budget for state parks varies significantly from year to year, as illustrated by the table below. The necessary restrictions put in place to mitigate the spread of COVID-19 in 2020 negatively impacted economic activity in Michigan and state revenue collections. In anticipation of these impacts, limits have been imposed on discretionary state funding. Both long- and short-term spending is therefore uncertain.

The state park system is 100 years old and much of the infrastructure is aging. Identified infrastructure needs across the state park system (excluding Belle Isle Park, trail infrastructure, and state waterways infrastructure) is currently estimated to be over \$258 million.

FISCAL YEAR	TOTAL ANNUAL CAPITAL OUTLAY PROJECT BUDGET**	IDENTIFIED INFRASTRUCTURE NEEDS
FY21	\$ 14,945,000	\$ 258,482,050
FY20	\$ 15,435,000	\$ 278,159,950
FY19	\$ 18,925,000	\$ 273,498,836
FY18	\$ 14,520,000	\$ 264,089,912
FY17	\$ 10,400,000	\$ 285,513,487
FY16	\$ 8,661,000	\$ 312,594,557

\*\*Capital Outlay funds dedicated to funding state park projects; excluding funds for Belle Isle Park, major emergency repairs, District Major Maintenance Projects, etc.

With such a large gap between financial need and budget, all projects are carefully analyzed to look at innovative solutions to increase efficiencies or downsize assets.

## C.2 Estimated Cost of Proposed Developments

The following table provides an estimate of probable cost for each capital outlay development project proposed at Leelanau State Park over the next ten years. Management and operations actions, small projects, which are funded out of district or park funds, and partner projects are not included in this list but will have additional financial implications. The costs are preliminary, based on information available at the time, and will be adjusted as studies, conceptual and detailed designs are completed. Where noted, the costs may only include studies or project planning, which will provide direction for development costs if determined appropriate. The costs are based on 2020 prices and should be adjusted according to the consumer price index and the market at the time of implementation.

The following action goals are ranked in terms of priority based on health, safety, and welfare, as well as identified need and ease of implementation (cost, ability to implement with own staff, partnerships etc.). Priority Level 1 projects indicate those that should be addressed within the next 2 years. Priority Level 2 projects include those that should be addressed within 2-5 years. Priority Level 3 projects are desired but can be tackled in the next 5-10 years once funding has been identified.

LEELANAU STATE PARK		
INFRASTRUCTURE & DEVELOPMENT: CAPITAL OUTLAY		
ACTION GOALS	PRIORITY	OPINION OF PROBABLE COST
Explore the potential for relocated and/or a limited number of additional rustic campsites/camping opportunities in keeping with the natural character of the park.	1	\$60,000 (Survey and design)
Design and construct a storage garage at the day-use area.	3	\$50,000
Study upgrades for drinking water and restrooms as well as shower facility options.	3	\$25,000 (Study and OPC)
<b>TOTAL*</b>		<b>\$135,000</b>
*EXCLUDES COSTS YET TO BE IDENTIFIED BY STUDIES TO DETERMINE BEST WAY TO PROCEED AND COSTS ASSOCIATED WITH PROJECTS THAT ARE ALREADY FUNDED.		

# Appendix D: Agreements

## D.1 Lighthouse West Conservation Easement

### CONSERVATION EASEMENT

Pursuant to Part 21, Subpart 11 of the Natural Resources and Environmental Protection Act, 1994 PA 451 as amended, MCL 324.2140 *et seq.*

**DATE:** June 29<sup>th</sup>, 2007

**GRANTOR:** **Leelanau Conservancy**, a Michigan non-profit corporation (hereafter "Grantor"), whose address is 105 North First Street, P.O. Box 1007, Leland MI 49654

**GRANTEE:** **Michigan Department of Natural Resources**, for and on behalf of the State of Michigan (hereafter "Grantee"), whose address is: Office of Land and Facilities, P.O. Box 30448, Lansing, MI 49809-7948.

**PROPERTY:** See Exhibit "A"

### CONVEYANCE

Grantor conveys to Grantee a perpetual Conservation Easement over the Property pursuant to Part 21, Subpart 11 of the Natural Resources and Environmental Protection Act, MCL 324.2140 *et seq.*, in order to assure that the Conservation Easement Property will forever be retained in its predominantly natural condition, that public access compatible with natural resource protection will be provided, and that any use of the Property that will significantly impair or interfere with the Conservation Values of the Property will be prohibited.

For and in consideration of the sum of **Nine Hundred Thirty Thousand Dollars and 00/100 (\$930,000.00)**, the receipt and sufficiency of which are hereby acknowledged, together with the mutual covenants recited below and other good and valuable consideration, Grantor does hereby grant and convey to Grantee a perpetual Conservation Easement over, under, upon and across the Property subject to the following terms and conditions.

14487 Leelanau County STATE OF <b>MICHIGAN</b> 07/05/2007 01 946/418		14487 <b>REAL ESTATE TRANSFER TAX</b> 148883 1,023.00 6,975.00
---	---	--

**THE GRANTOR AND THE GRANTEE AGREE TO THE FOLLOWING:**

Page 2 of 16

01 946/419

**1. PURPOSES.**

- A. This Conservation Easement assures that the Property will be perpetually preserved in its predominately natural, scenic, forested, and open space condition. The purpose of this Conservation Easement is to protect the Property's natural resources and watershed values; to maintain and enhance biodiversity; to retain high quality habitat for native plants and animals; to maintain critical resting habitat for migrating birds; and to maintain and enhance the natural features of the Property, as described in Sections 2 and 3 herein. Further, the purpose of this Conservation Easement is to provide public access to the Property for recreational and educational uses which are compatible with natural resources protection as more particularly defined herein.
- B. The Grantor is the fee simple owner of equitable title of the Property and Grantor agrees to limit use of the Property to activities consistent with the Purposes of this Conservation Easement and the preservation of the Conservation Values. The Grantee is a qualified holder of this Conservation Easement and shall preserve the Conservation Values of the Property and shall uphold the terms of this Conservation Easement.

**2. CONSERVATION VALUES.**

The Property possesses natural, scenic, open space, biological, and ecological values of prominent importance to the Grantor, the Grantee, and the public. These values are referred to as the "Conservation Values" in this Conservation Easement. The Conservation Values include, but are not limited to, the following:

- A. Significant natural habitat in which wildlife, plants, and the ecosystems which support them, thrive in a natural state.
- B. Approximately 640 feet of undeveloped shoreline of Lake Michigan.
- C. Critical resting and stopover habitat for migrating songbirds and raptors near the tip of the Leelanau Peninsula, a major regional flyway.
- D. Habitat for the state- and federally-threatened *Cirsium pitcheri* (commonly known as Pitcher's thistle). Pitcher's thistle is dependent on the fragile shifting sands of the low dunes of Lake Michigan.
- E. Cobble beach and shoreline wetlands, which provide spawning habitat for native species of fish, and a forested "Boulder Terrace," a vestigial feature created by glacial Lake Nipissing, and an exemplary geologic feature in the region.
- F. Valued native forest land supporting diverse native species, composed of trees of many age classes and structural diversity, including a quality multi-story canopy, mid-story and ground layer with standing dead trees and downed logs.
- G. A diversity of habitats including northern hardwood forest, old field grasslands, and edge habitats which also serve as corridors for wildlife movement.
- H. Scenic and dramatic views of Lake Michigan and distant shorelines which provide significant public recreational benefit, as well as scenic and dramatic views of the Property from the water.

- K. The natural state of the Property contributes to ecological viability of the Leelanau State Park, and its preservation for public use preserves a future linkage between the Northern and Southern Units of Leelanau State Park, as well as a corridor for movement of wildlife.
- L. The Property lies adjacent to the southern boundary of the Shuster Conservation Easement, donated in 1999, which similarly preserves the existing natural habitat and expands the Conservation Values preserved by this Conservation Easement.
- M. The Grantee may acquire other valuable property rights in nearby or adjacent properties to expand the Conservation Values preserved by this Conservation Easement.

**3. BASELINE DOCUMENTATION.**

Specific Conservation Values of the Property have been documented in a natural resource inventory signed by the Grantor and the Grantee (dated February 20, 2007, on file at the offices of the Grantee and the Grantor and incorporated herein by reference). This "Baseline Documentation Report" consists of reports, maps, photographs, and other documentation that the parties agree provides a reasonably accurate representation of the Property at the time of this grant and which is intended to serve as an objective information baseline for monitoring compliance with the terms of this grant.

**4. PROHIBITED USES.** Any activity on or use of the Property which is inconsistent with the Purposes of this Conservation Easement or which impairs or destroys the Conservation Values is expressly prohibited. By way of example, but not by way of limitation, the following activities and uses are expressly prohibited:

- A. Division. Any division or subdivision of the Property is prohibited, except that Grantor may divide or subdivide the Property in order to resolve any property boundary dispute or modify the existing property boundary, so long as the modification, division or subdivision is minor in scope and does not adversely affect the Conservation Values of the Property.
- B. Commercial Activities. Any commercial activity on the Property is prohibited, except for activities permitted in Section 5 herein.
- C. Industrial Activities. Any industrial activity on the Property is prohibited.
- D. Construction. The placement or construction on the Property of any human-made modification, such as buildings, structures, signs, stairs, fences, bridges, dams, communication towers and apparatus, roads and parking lots is prohibited, except as permitted in Section 5 herein.
- E. Cutting Vegetation. Cutting down or otherwise destroying or removing trees or other vegetation whether living or dead is prohibited, except as permitted in Section 5 herein.

- F. Mineral Development and Land Surface Alteration. Any mining or alteration of the surface of the land is prohibited, including the removal of any substance that must be quarried or removed by methods that will consume or deplete the surface, including, but not limited to, the removal of topsoil, sand, gravel, rock, and peat. In addition, exploring for, developing, storing and extracting oil, gas, hydrocarbons or petroleum products is prohibited.
- G. Dumping. Processing, storage, dumping, or disposal of liquid or solid waste, refuse, or debris on the Property is prohibited, except for: (1) human waste in a properly designed and authorized waste treatment system, (2) natural materials originating from the Property for on-site composting, and (3) temporary collection of waste generated from recreational or educational use of the Property in on-site receptacles.
- H. Water Course or Water Resources Alteration. Natural water courses, lakes, wetlands, or other bodies of water shall not be altered.
- I. Motorized Vehicles. Motorized vehicles may not be operated on the Property, except as specified in paragraphs 5K, 5L and 6C herein.
5. **PERMITTED USES.** Subject to the purposes of this Conservation Easement which are to protect the Property's Conservation Values and grant public access, as described in Section 1 herein, the Grantor retains all ownership rights that are not expressly restricted by this Conservation Easement. In particular, the following rights are reserved:
- A. Right to Convey. The Grantor retains the right to sell, lease, assign, mortgage, bequeath, or donate the Property. Any conveyance will remain subject to the terms of this Conservation Easement and all subsequent owners are bound by all obligations in this agreement. Grantee shall be notified by first class mail, at least ninety (90) days prior to the date of conveyance, when any conveyance of the Property occurs.
- B. Right to Manage Public Access. The Grantor retains the right to manage public access to the Property, if necessary, to ensure that such access does not impair the Conservation Values protected by this Conservation Easement. This right includes, but is not limited to, channeling visitor use away from sensitive natural features, directing visitor use to prevent or minimize erosion or other detrimental effects on the natural resources, restricting visitor access to protect areas with threatened or endangered species, and restricting access to the public during peak bird migration periods. The Grantor also retains the right to manage and set rules for groups or activities which may cause larger impacts on the Property. Any rules Grantor proposes for governing or limiting public access must be clearly stated in the Property Management Plan, and approved by the Grantee according to the terms described in Section 7 herein. The Grantor does not grant the public the right to use motorized vehicles on the Property, except on the designated parking area and access drive.

- C. Right to Construct and Maintain Trails. The Grantor retains the right to construct and maintain trails as specified on the Property Management Plan by removing groundcover and shrubs and trimming tree branches on the Property, for the purpose of providing low-impact pedestrian use, provided such removal and trimming does not adversely impact the Conservation Values of the Property. Trails may incorporate structures such as walkways, steps, stairs, small bridges, boardwalks and overlook platforms to guide pedestrian access and protect sensitive areas. Such trails and structures will be designed and constructed to cause the least possible impact on the Conservation Values.
- D. Right to Construct Parking Area. The Grantor retains the right to construct a parking area on the Property in the area designated as Parking Area in Exhibit B. The parking area shall not exceed 1,000 square feet in land surface area and shall be constructed of pervious materials.
- E. Right to Construct Restroom Facility. The Grantor retains the right to construct or place a restroom facility on the Property within 50 feet of the Parking Area shown in Exhibit B. The restroom facility shall not exceed fifty (50) square feet in land surface area and shall comply with all applicable building codes and accessibility requirements for persons with disabilities.
- F. Right to Maintain Natural Areas. The Grantor retains the timber and vegetation management rights. However, these rights shall be restricted to the following:
- (1) removing dangerous trees; dangerous trees are defined as those which are reasonably considered to cause safety concerns to people or property;
  - (2) removing trees in order to prevent or control infestation by diseased vegetation, insects or other pest (as documented by a professional forester or other natural resource specialist);
  - (3) controlling invasive or non-native species that endanger the health of native species;
  - (4) promoting the establishment of native species; or
  - (5) other ecological restoration as permitted in paragraph 5G.
- G. Right to Conduct Ecological Restoration. The Grantor, through contractors or designees, retains the right to conduct ecological restoration on the Property. Ecological restoration includes, but is not limited to, planting native species, removing non-native or invasive species, maintaining habitat nesting or resting habitat for birds, installing erosion control structures, and controlling the population of deer or other species through public hunting, or placing nesting boxes or similar improvements to increase the number or diversity of wildlife species on the Property. Such activities shall be conducted pursuant to the Property Management Plan.
- H. Right to Conduct Research and Educational Activities. The Grantor retains the right to conduct research and educational activities, including wildlife, habitat and plant research, on the Property, provided that such activities do not unreasonably impair

the Conservation Values of the Property protected by this Conservation Easement.

- I. Right to Manage Hunting and Trapping. The Grantor may propose reasonable rules for use of the Property for hunting and trapping in order to protect the safety of the public and Conservation Values of the Property subject to applicable state law. Grantor's proposed rules and management for public hunting and trapping shall be described in more detail in the Property Management Plan, and submitted to the Grantee for approval, as described in Section 7 herein.
  - J. Right to Place Signs. The Grantor retains the right to place signs on the Property relating to property ownership and management as well as permitted activities described in Section 5 herein. This right includes, but is not limited to, the right to place kiosks or other structures to accommodate signs for the display of educational or recreational information.
  - K. Right to Operate Motor Vehicles. The Grantor retains the right for its staff and agents to operate motorized vehicles on the Property for management, and maintenance purposes. The Grantor's operation of such motor vehicles shall be conducted in a manner to cause the least possible impact on the Conservation Values.
  - L. Right to Limit Vehicle Access. The Grantor retains the right to install gates, fences or other blockades necessary to prevent unauthorized third party vehicle access. The construction, installation and maintenance of any such structure shall have the least possible impact on the Conservation Values. Any such structure will not interfere with public pedestrian access, nor with ingress and egress or utility easements of record. If a structure is necessary, Grantor shall provide to the easement holder the means to operate the structure, such as a key or access code.
6. **RIGHTS OF THE GRANTEE.** The Grantor confers the following rights upon the Grantee and Grantee's agents to perpetually maintain the public access and Conservation Values of the Property:
- A. Right of Public Access. The Public shall have the right of access to the Property for recreational and educational purposes, including hunting, according to rules set forth in the Management Plan, consistent with paragraph 5B herein. This access is for pedestrian use only. Public access via motorized vehicles is prohibited, except in the designated parking area, as specified in paragraph 5B herein. The Grantor is not obligated to provide any infrastructure to facilitate public access.
  - B. Right of Public Fishing Access. The Public shall have the right to fish from the Property shoreline subject to applicable state law and paragraph 5B herein.
  - C. Right to Enter. The Grantee has the right to enter the Property to monitor the Conservation Easement and the Property. The Grantee has the right to enter the Property to enforce compliance with, or otherwise exercise its rights under, this

Conservation Easement. The right of entry established in this paragraph shall also extend to law enforcement and emergency response personnel who must enter the Property to carry out their official duties.

- D. Right to Review and Approve Management Plan. The Grantee has the right to review the Property Management Plan submitted by the Grantor, and to either approve or deny Grantor's proposed actions and rules concerning: 1) development rights; 2) public access rights; 3) hunting, trapping and fishing use of the Property, specifically actions and rules relating to paragraphs 5B, 5D, 5E, 5I and 5J herein. This right is more fully described in Section 7 herein.
- E. Right to Sell Interests. The Grantee has the right to sell, or otherwise transfer, its interest in this Conservation Easement to another qualified holder of conservation easements. Grantee shall notify Grantor and any entity with secondary monitoring rights at least ninety (90) days prior to such transfer.
- F. Right to Preserve. The Grantee has the right to prevent any activity on or use of the Property that is inconsistent with the Purposes of this Conservation Easement or impairs or destroys the Conservation Values of the Property except as permitted in this Conservation Easement.
- G. Right to Require Restoration. The Grantee has the right to require restoration of the areas or features of the Property which are damaged by any activity inconsistent with this Conservation Easement.
- H. Right to Place Signs. The Grantee has the right to place signs for purposes of informing the public of rights granted in this Section 6, and for recognition of Grantee's contribution to the Conservation Easement.
7. **PROPERTY MANAGEMENT PLAN.** A Property Management Plan must be prepared by the Grantor and submitted to the Grantee prior to undertaking any management activities described in Section 5 herein. The Property Management Plan must be updated and resubmitted to the Grantee at least every fifteen (15) years. Consistent with Section 6D, the Grantee shall have ninety (90) days to review and either approve or notify the Grantor of any deficiencies in the Plan. If the Grantee does not notify the Grantor within ninety (90) days from the date of receipt, then the Plan is assumed to be approved, and Grantor may proceed with management activities described in the Plan. The Grantee's approval may be withheld only upon a reasonable determination by the Grantee that the proposed action(s) or rule(s) would be inconsistent with the purposes of this Conservation Easement or detrimental to the Conservation Values of the Property. A proposed action or rule, upon proper denial, shall not be included in the Management Plan and will not be undertaken or adopted. Notwithstanding Grantee's approval of the Property Management Plan, if management activities undertaken pursuant to the Plan are in fact inconsistent with the purposes of this Conservation Easement or detrimental to the Conservation Values of the Property, then Grantor shall immediately cease such activities and shall update the Property Management

Plan and resubmit the Plan to Grantee for approval in accordance with the procedures set forth herein to prevent such inconsistent or detrimental activities from thereafter continuing. Management activities performed contrary to the approved Property Management Plan are subject to the remedies described in Section 8 of this Conservation Easement.

**8. GRANTEE REMEDIES.** The Grantee has the following remedies:

- A. Delay in Enforcement. A delay in enforcement shall not be construed as a waiver of the Grantee's right to enforce the terms of this Conservation Easement.
- B. Acts Beyond Grantor's Control. The Grantee may not bring an action against the Grantor for modifications to the Property resulting from causes beyond the Grantor's control, including, but not limited to, unauthorized actions by third parties, natural disasters such as unintentional fires, floods, storms, natural earth movement, or Grantor's well-intentioned actions in response to an emergency resulting in changes to the Property. The Grantor has no liability under this Conservation Easement for such unintended modifications.
- C. Notice and Demand. If the Grantee reasonably believes that the Grantor is in violation of this Conservation Easement, or that a violation is threatened, the Grantee shall provide written notice to the Grantor. The written notice will identify the violation and request corrective action to cure the violation and, where the Property has been injured, outline the corrective action necessary to restore the Property.

If the Grantee determines, at its sole discretion, that the violation constitutes immediate and irreparable harm, no written notice is required prior to the Grantee pursuing its legal remedies to prevent or limit impairment or destruction of the Conservation Values. In the event the Grantee has sent written notification of the violation, and, during the twenty-eight (28) day cure period defined below, the violation constitutes immediate and irreparable harm, the Grantee may pursue its legal remedies without waiting for the cure period to expire.

If the Grantee determines that this Conservation Easement is, or is expected to be, violated, and the Grantee's good-faith and reasonable efforts to notify the Grantor are unsuccessful, the Grantee may pursue its lawful remedies to mitigate or prevent impairment or destruction of the Conservation Values without prior notice and without awaiting the Grantor's opportunity to cure. The Grantor agrees to reimburse all reasonable costs associated with efforts to mitigate or prevent impairment or destruction of the Conservation Values.

- D. Failure to Act. If, within twenty-eight (28) days after written notice, the Grantor does not implement corrective measures requested by the Grantee, the Grantee may bring an action in law or in equity to enforce the terms of the Conservation Easement. In the case of immediate or irreparable harm, or if Grantor is unable to be notified,

the Grantee may invoke these remedies without notification and/or awaiting the expiration of the twenty-eight (28) day period.

The Grantee may seek to enjoin the violation through temporary or permanent injunctive relief and to seek specific performance, declaratory relief, restitution, reimbursement of expenses, and/or an order compelling the Grantor, or third-party, in the case of a violation or expected violation by a third-party, to restore the Property. If the court determines that the Grantor has failed to comply with this Conservation Easement, the Grantor shall also reimburse the Grantee for all reasonable litigation costs and reasonable attorney's fees, and all costs of corrective action or Property restoration incurred by the Grantee.

- E. Unreasonable Litigation. If the Grantee initiates litigation against the Grantor to enforce this Conservation Easement, and if the court determines that the litigation was initiated without reasonable cause or in bad faith, then Grantor may request from the court, pursuant to relevant law, reimbursement by Grantee of reasonable costs and reasonable attorney's fees incurred in defending the action.
  - F. Actual or Threatened Non-Compliance. The Grantee's rights to pursue remedies apply equally in the event of actual, expected or threatened violations of the terms of this Conservation Easement. The Grantee may pursue any remedy at law without the necessity of proving either actual damages or the inadequacy of otherwise available remedies.
  - G. Cumulative Remedies. The preceding remedies of the Grantee are cumulative. Any or all of the remedies may be invoked by the Grantee if there is an actual, expected or threatened violation of this Conservation Easement.
9. **OWNERSHIP COSTS AND LIABILITIES.** In accepting this Conservation Easement, the Grantee shall have no liability or other obligation for costs, liabilities, taxes, or insurance of any kind related to the Property. The Grantee's rights do not include the right, in absence of a judicial decree, to enter the Property for the purpose of becoming an operator of the Property within the meaning of the Comprehensive Environmental Response, Compensation, and Liability Act, 42 U.S.C. §9601 *et seq.*
10. **CESSATION OF EXISTENCE.** If the Grantee shall cease to exist, or if the Grantee is no longer authorized to acquire and hold conservation easements, then this Conservation Easement shall become vested in another qualified entity. The Grantee's rights and responsibilities shall be assigned to any entity having similar conservation purposes to which such right may be awarded under the *cy pres* doctrine.
11. **RELEVANT PUBLIC POLICY.** The State of Michigan has recognized the importance of protecting our natural resources as delineated in the Constitution of the State of Michigan; 1963, Article IV, Section 52: "The conservation and development of the natural resources of the state are hereby declared to be of paramount public concern in the interest of the health,

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safety, and general welfare of the people. The legislature shall provide for the protection of the air, water, and other natural resources of the state from pollution, impairment, and destruction.”

The Property is preserved pursuant to clearly delineated federal and state conservation policies and yields a significant public benefit. The following legislation, regulations, and policy statements establish relevant public policy:

- Conservation and Historic Preservation Easement, Subpart 11 of Part 21 of the Michigan Natural Resources and Environmental Protection Act - MCL § 324.2140 *et seq.*;
- Prevention and Suppression of Forest Fires, Part 515 of the Michigan Natural Resources and Environmental Protection Act, MCL 324.51501 *et seq.*;
- Sand Dune Protection and Management Act, Part 353 of the Michigan Natural Resources and Environmental Protection Act - MCL 324.35301 *et seq.*;
- Coastal Zone Management Act, 16 USC 1451 *et seq.*;
- Shorelands Protection and Management, Part 323 of the Michigan Natural Resources and Environmental Protection Act - MCL 324.32301 *et seq.*;
- Great Lakes Preservation, Part 327; Great Lakes Protection, Part 329; and Regional Great Lakes Protection Fund, Part 331 of the Michigan Natural Resources and Environmental Protection Act - MCL 324.32701 *et seq.*; MCL 324.32901 *et seq.*; and MCL 324.33101 *et seq.*, respectively;
- Coastal Beach Erosion, Part 333; and Flood Drainage & Beach Erosion Control, Part 337 of the Michigan Natural Resources and Environmental Protection Act - MCL 324.33301 *et seq.*; and MCL 324.33701 *et seq.*, respectively;
- Soil Erosion and Sedimentation Control, Part 91; and Soil Conservation Districts, Part 93 of Michigan Natural Resources and Environmental Protection Act – MCL 324.9101 *et seq.*; and MCL 324.9301 *et seq.*, respectively;
- Biological Diversity Conservation, Part 355 of the Michigan Natural Resources and Environmental Protection Act - MCL §§324.35501-35506;
- Endangered Species Protection, Part 365 of the Michigan Natural Resources and Environmental Protection Act - MCL 324.36501 *et seq.*;
- Endangered Species Act, 16 U.S.C. 1531 *et seq.*
- Protection of Migratory Game and Insectivorous Birds, Subchapter II and III, USC 16 §§ 701-715s

12. **NO THIRD PARTY RIGHTS.** This Conservation Easement grants specific rights to the Grantee, on behalf of the public, as stated in this Conservation Easement. No third party rights are created or intended to be conveyed in this Conservation Easement, specifically including any easements or dedications, implied or otherwise, of public parkland.
13. **LIBERAL CONSTRUCTION.** This Conservation Easement shall be liberally construed in favor of preserving the Conservation Values of the Property and in accordance with the Conservation and Historic Preservation Easement, Subpart 11 of Part 21 of the Michigan Natural Resources and Environmental Code MCL 324.2140 *et seq.*

14. **NOTICES.** For purposes of this agreement, notices may be provided to either party by personal delivery or by mailing a written notice to the party (at the address shown at the top of this agreement, or at last known address of a party) by First Class mail. All notices shall be deemed to have been duly given when hand delivered or when deposited, properly addressed, with the US Postal Service with sufficient pre-paid postage.
15. **SEVERABILITY.** If any portion of this Conservation Easement is determined to be invalid, the remaining provisions will remain in force.
16. **SUCCESSORS.** The covenants, terms, conditions, and restrictions of this Conservation Easement shall be binding upon, and inure to the benefit of, Grantor's and Grantee's respective representatives, successors, assigns and agents and shall constitute a servitude running in perpetuity with the Property regardless of whether any future conveyance of the Property expressly refers to this Conservation Easement.
17. **TERMINATION OF RIGHTS AND OBLIGATIONS.** A party's future rights and obligations under this Conservation Easement terminate upon transfer of that party's interest in the Property. Liability for acts or omissions occurring prior to transfer will survive the transfer.
18. **MICHIGAN LAW.** This Conservation Easement will be construed in accordance with Michigan Law.
19. **EXHIBITS.** This Conservation Easement includes, and incorporates herewith, the following Exhibits:
- A. Exhibit A – Legal description of Property
  - B. Exhibit B – Property map
20. **MERGER.** This Conservation Easement shall only merge with Grantor's interest in the Property at such time as Grantor conveys its remaining interest in the property to Grantee. The intent of this paragraph is to ensure that merger of interests shall only occur when fee simple ownership is vested in Grantee.
21. **ENTIRE AGREEMENT.** This Conservation Easement sets forth the entire agreement of the parties. It is intended to supersede all prior discussions or understandings.

Leelanau Conservancy

By: [Signature]  
Thomas P. Dunfee  
Its: President of the Board

STATE OF MICHIGAN

COUNTY OF Leelanau

Acknowledged before me on June 29, 2007 by Thomas P. Dunfee, known to me to be the President of the Board of the Leelanau Conservancy, a Michigan nonprofit corporation, on behalf of the corporation.

[Signature]  
Notary Public

County, Michigan

My commission expires:

Acting in Leelanau County

BETHANIE ANN ZYWICKI  
NOTARY PUBLIC, STATE OF MICHIGAN  
LEELANAU COUNTY  
MY COMMISSION EXP: 9/4/07

GRANTEE:

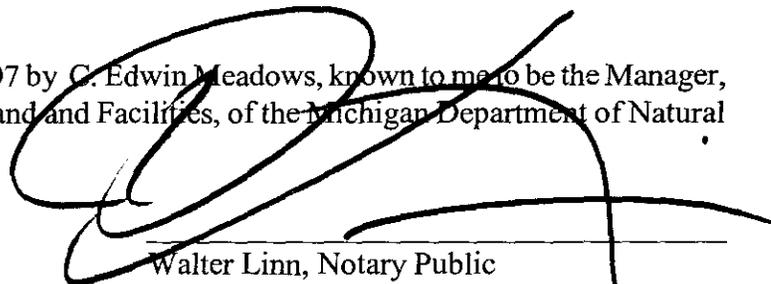
Michigan Department of Natural Resources

By: Ed Meadows  
C. Edwin Meadows  
Its: Manager, Real Estate Services Section  
Office of Land and Facilities

STATE OF MICHIGAN

COUNTY OF Ingham

Acknowledged before me on June 21, 2007 by C. Edwin Meadows, known to me to be the Manager, Real Estate Services Section, Office of Land and Facilities, of the Michigan Department of Natural Resources.

  
Walter Linn, Notary Public  
Ingham County, Michigan  
My commission expires: October 10, 2012

PREPARED BY AND AFTER  
RECORDING RETURN TO:

Robert Corbett  
Office of Land and Facilities  
Department of Natural Resources  
P.O. Box 30448  
Lansing, MI 48909

**Tax parcel number:**  
**45 08 006 002 00**

Recording Fee: \_\_\_\_\_

Transfer Tax: \_\_\_\_\_

Exhibit A  
Lighthouse West Conservation Easement

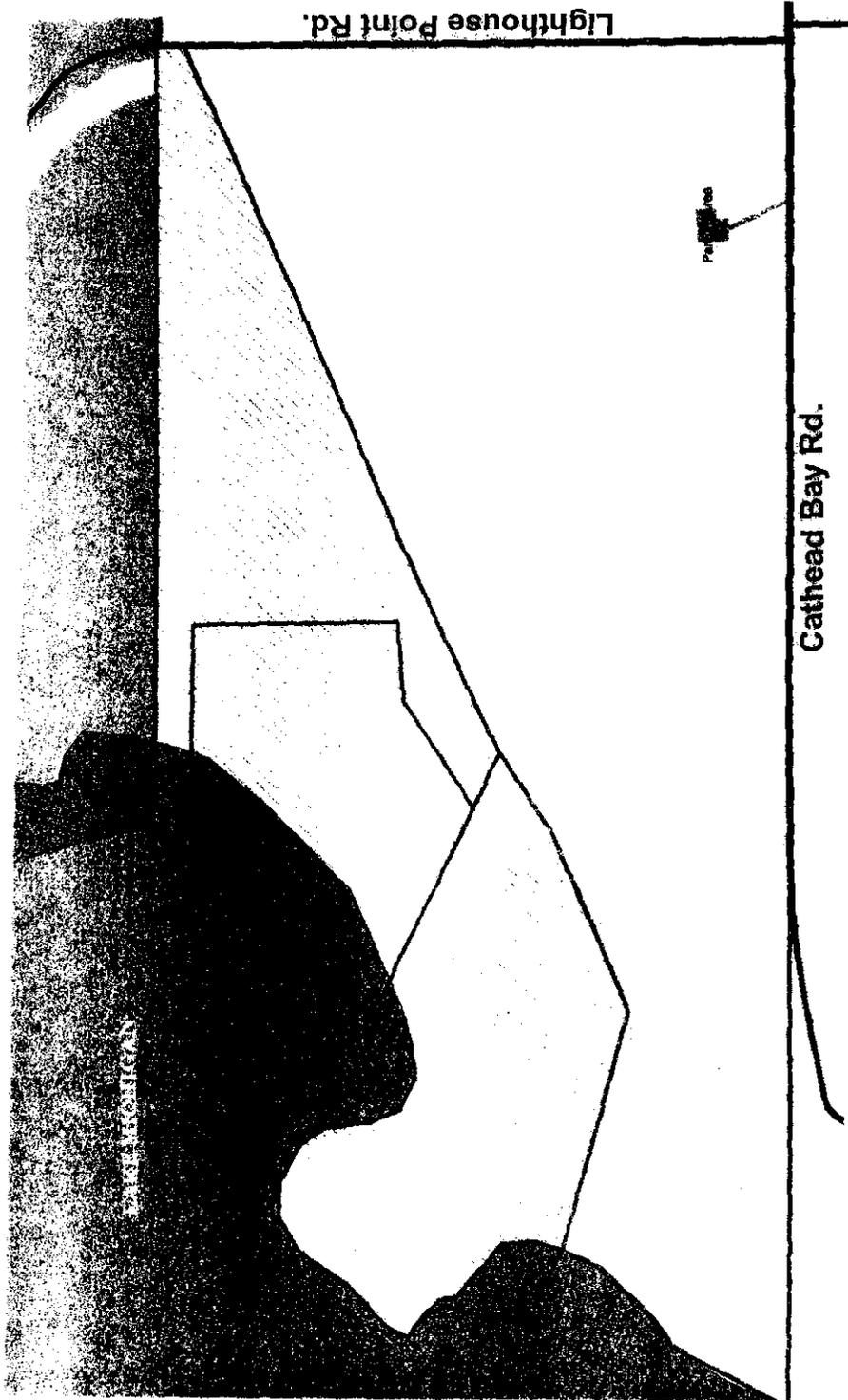
Legal Description

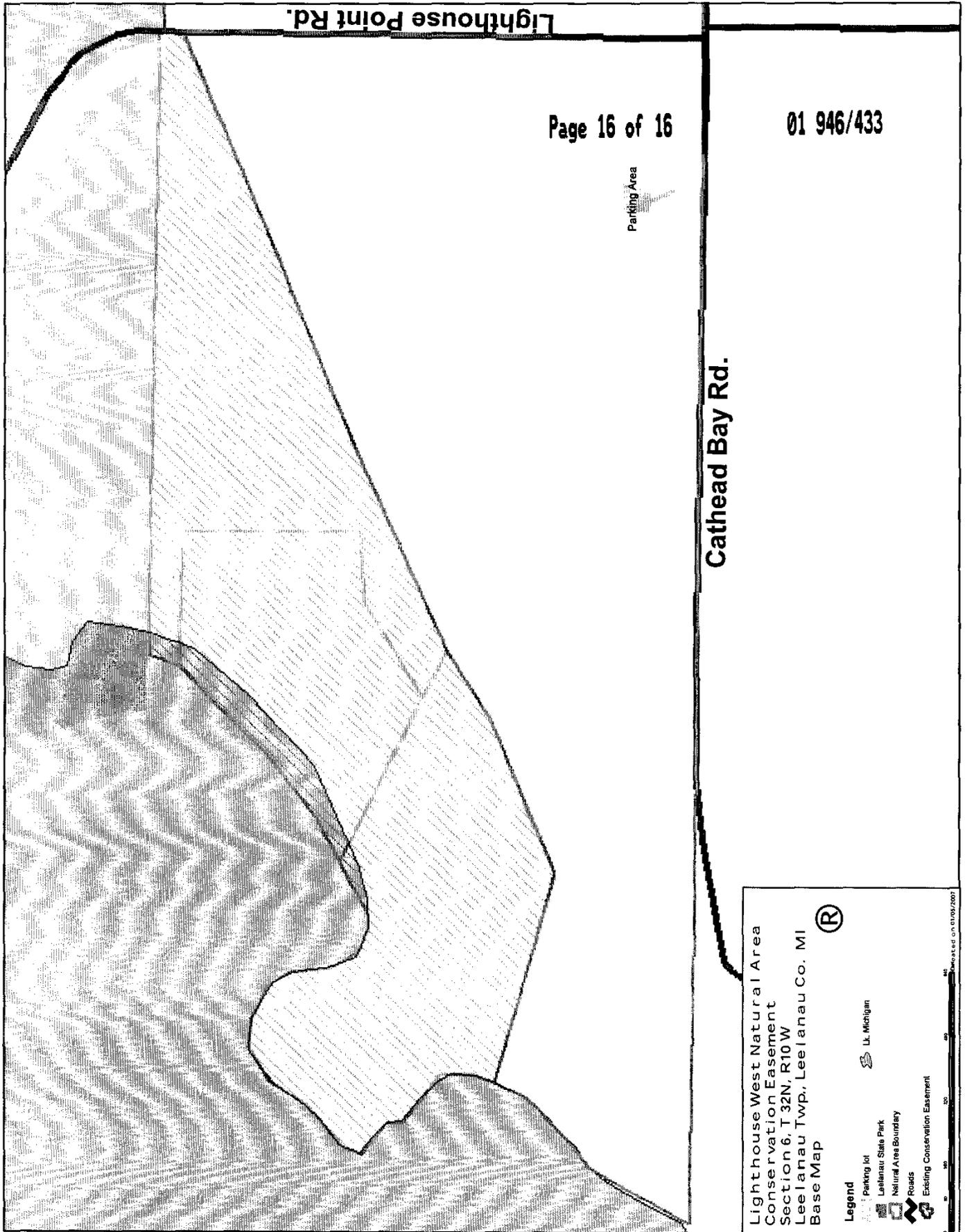
Part of Government Lot 1 and Part of the Southwest  $\frac{1}{4}$  of the Southeast Fractional  $\frac{1}{4}$  of Section 6, T32N, R10W, Leelanau Township, Leelanau County, Michigan, described as follows: Commencing at the Southeast corner of Government Lot 1, to its intersection with the brow of a steep bank or hill and the Point of Beginning of this description; thence continuing West along the South line of said Government Lot 1 560 feet, more or less, to the shore of Lake Michigan; thence Northeasterly along said shore 640 feet; thence Southeasterly to a point on the brow of a steep bank or hill, which is 320 feet North of the South line of Government Lot 1; thence Southwesterly following the brow of said hill or steep bank to the Point of Beginning. Subject to a two-rod right-of-way running Northeasterly along the brow of said hill or steep bank, which right-of-way is to commence at the intersection of said bank with the South line of said Section 6 and to run Northeasterly to its intersection with the East line of the Southwest  $\frac{1}{4}$  of the Southeast fractional  $\frac{1}{4}$  of said Section 6;

ALSO A PARCEL DESCRIBED AS: Beginning at the Southeast corner of the Southwest  $\frac{1}{4}$  of the Southeast fractional  $\frac{1}{4}$  of Section 6; T32N, R10W, Leelanau Township, Leelanau County, Michigan; thence West along the South line of said Section, 2089 feet to its intersection with the brow of a hill or bank; thence Northeasterly following the brow of said hill or steep bank to its intersection with the East line of said Southwest  $\frac{1}{4}$  of the Southeast fractional  $\frac{1}{4}$  of Section 6; thence South along the East line a distance of 1240 feet, more or less, to the Point of Beginning. Subject to a two-rod right-of-way running Northeasterly along the brow of a hill or steep bank, which right-of-way is to commence at the intersection of said bank with the South line of said Section 6 and to run Northeasterly to its intersection with the East line of the Southwest  $\frac{1}{4}$  of the Southeast fractional  $\frac{1}{4}$  of said Section 6.

Exhibit B  
Lighthouse West Conservation Easement

Map





Lighthouse Point Rd.

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01 946/433

Parking Area

Cathhead Bay Rd.

Lighthouse West Natural Area Conservation Easement Section 6, T 32N, R10W Leelanau Twp, Leelanau Co. MI Base Map

Legend

- Parking lot
- Leelanau State Park
- Natural Area Boundary
- Roads
- Existing Conservation Easement
- Lk. Michigan

0 100 200 300 400  
01/03/2007

Sue C. Stoffel 3P  
 Leelanau Register of Deeds  
 Recording Fees: 20.00  
 SUE Date 07/05/2007 Time 11:47:17  
 Page 1 of 3 01 946/434

158-11-1576

**Right of First Refusal Agreement**

FIRST RIGHT OF REFUSAL

KNOW ALL MEN BY THESE PRESENTS, that the Leelanau Conservancy, of 105 North First Street, PO Box 1007, Leland, MI 49654 (herein "Grantor"), for valuable consideration, does hereby grant to The Michigan Department of Natural Resources, for and on behalf of the State of Michigan, of Office of Land and Facilities, PO Box 30448, Lansing, MI 49809-7948 (herein "Grantee"), a First Right of Refusal to purchase the following-described real estate situated in the Township of Leelanau, County of Leelanau, State of Michigan:

SEE ATTACHED

(the "Premises") in accordance with and subject to the following:

1. This Right of Refusal will continue until \_\_\_\_\_.

2. During this period, if Grantor should at any time intend to sell or otherwise transfer ownership to the Premises, and if Grantor obtains a bona fide offer for the purchase of such Premises that is acceptable to it, or enters into any arrangement whatsoever for the transfer of ownership to the Premises, Grantor shall deliver to Grantee a written notice (i) stating its intention to transfer such Premises, and (ii) including a copy of the bona fide offer for purchase or a statement of the terms of the arrangement for the transfer of ownership. Grantee shall have the right and option for a period of seven (7) days after receipt of such notice to elect to purchase or take ownership upon the same price, terms and conditions of the sale or other arrangement as are contained in the written notice from Grantor. Exercise of this option shall be by written notice by Grantee to Grantor. All notices, if given by mail, shall be by certified mail, return receipt requested, and shall be deemed to be given when postmarked.

3. If Grantee does not elect to exercise such option, then Grantor may close such transaction in accordance with the provisions of the bona fide offer, and this First Right of Refusal shall terminate; provided, however, if Grantor does not close under such bona fide offer, then this First Right of Refusal shall continue as to any subsequent proposed sales or transfers of ownership of the Premises. And, this First Right of Refusal shall also survive any transfer of ownership otherwise than by a bona fide arm's length purchase and sale.

4. This First Right of Refusal shall be binding upon Grantor, its successors and assigns in and to the premises above described and shall inure to the benefit of Grantee, its successors and assigns.

## LEGAL

Commencing at the Southeast corner of Government Lot 1, Section 6, Township 32 North, Range 10 West, thence West 760 feet along the south line of said Government Lot 1 to its intersection with the brow of a steep bank or hill and the Point of Beginning of this description; thence continuing West along the South line of said Government Lot 1 560 feet, more or less, to the shore of Lake Michigan; thence Northeasterly along said shore 640 feet; thence Southeasterly to a point on the brow of a steep bank or hill, which is 320 feet North of the South line of said Government Lot 1; thence Southwesterly following the brow of said hill or steep bank to the Point of Beginning. Subject to a two-rod right of way running Northeasterly along the brow of said hill or steep bank, which right of way is to commence at the intersection of said bank with the South line of said Section 6 and to run Northeasterly to its intersection with the East line of the of the Southwest 1/4 of the Southeast fractional 1/4 of said Section 6;

ALSO A PARCEL DESCRIBED AS: Beginning at the Southeast corner of the Southwest 1/4 of the Southeast fractional 1/4 of Section 6; Township 32 North, Range 10 West; thence West along the South line of said Section, 2089 feet to its intersection with the brow of a hill or bank; thence Northeasterly following the brow of said hill or steep bank to its intersection with the East line of said Southwest 1/4 of the Southeast fractional 1/4 of Section 6; thence South along said East line a distance of 1240 feet, more or less, to the Point of Beginning; Subject to a two-rod right of way running Northeasterly along the brow of a hill or steep bank, which right of way is to commence at the intersection of said bank with the South line of said Section 6 and to run Northeasterly to its intersection with the East line of the Southwest 1/4 of the Southeast fractional 1/4 of said Section 6.

Situated in the Township of Leelanau, County of Leelanau, State of Michigan.



## D.2 Grand Traverse Lighthouse Museum Lease

### LEASE

Between

GRAND TRAVERSE LIGHTHOUSE MUSEUM  
A Michigan Non-Profit Corporation, as Lessee

And

THE STATE OF MICHIGAN, as Lessor

THIS LEASE ("Lease") entered into by Grand Traverse Lighthouse Museum, a Michigan non-profit Corporation, as Lessee, whose address is 15500 N. Lighthouse Point Rd., Northport, MI 49670-9717, and the State of Michigan by the Department of Natural Resources, Parks and Recreation Bureau as Lessor.

WHEREAS, the Department of Natural Resources ("Department") provides facilities for the use and enjoyment of the public. The responsibility of the Department is to operate or provide for the operation of State facilities so as to maximize service and benefit to the public according to approved standards. Lessee must operate, the facilities included in this Lease ("Leased Premises"), in a manner that provides maximum use, services and benefits to the public.

WHEREAS, it is fully understood and agreed by Lessee that the granting of this Lease *does not grant Lessee exclusive rights to the entire property* where the Leased Premises are located within Leelanau State Park;

WHEREAS, it is also understood that the Department is responsible for the management of the Leased Premises and shall make all decisions as to activities and services for the premises and where these activities and services shall be located.

THEREFORE, the parties agree to the following terms and conditions:

#### ARTICLE I - GRANT OF LEASE

**1.01 Lease.** The Lessor, in consideration of the covenants and representations made in this Lease, grants the Lessee, the right to maintain and operate the "Leased Premises" which include The Grand Traverse Lighthouse, Fog Signal Building, Garage and Oil House located at Leelanau State Park as well as the grounds immediately surrounding the buildings designated in **Attachment "A"**, and the right of ingress and egress, subject to the right of the terms and conditions of Article III, Section 3.03 of this Lease.

1.02 **Term.** The term of this Lease shall be twenty-five (25) years. It shall begin at 12:01 am on \_\_\_\_\_, 2\_\_\_\_ and end at midnight, on \_\_\_\_\_, 2\_\_\_\_.

1.03 **Rent.** No Rental fee or charge will be made to Lessor, however, all costs of utilities, operation, and general maintenance will be the responsibility of the Lessee.

1.04 **Leased Premises.** The Leased Premises include the Grand Traverse Lighthouse Building, Fog Signal Building, Garage and Oil House at Leelanau State Park and the area immediately surrounding said buildings, as more specifically described on Attachment "A".

1.05 **Administration.** The District Parks and Recreation Supervisor, Roscommon District Office, 8717 N. Roscommon Rd., Roscommon MI 48653, Telephone: (989) 275-5151 is the Department Representative/Administrator of this Lease or his/her designated representative (collectively, "Department Representative"). The Lessee shall designate in writing to the Department Representative one person and one alternate responsible to be the contact person for the Lessor regarding the administration of the Lease. This person should have the authority and be able to deal with any questions or problems regarding the maintenance and operation of the Leased Premises.

**ARTICLE II – HISTORIC PRESERVATION/MAINTENANCE**

2.01 **Operation, Restoration and Maintenance Plan.** The Lessee has submitted a preliminary operation, restoration and maintenance plan covering the terms of the Lease to the Department Representative and the State Historic Preservation Officer (SHPO) for review. The Lessee agrees that no work will be done on any of the Leased Premises without the prior written approval of the Department Representative and the SHPO. This plan will be reviewed by the Lessee, Department Representative and the SHPO prior to renegotiations/renewal of the Lease.

**2.02 Condition Report.**

(a) **Attachment "B"** is a series of photographs that depict the condition of the Leased Premises, including its improvements and appurtenances.

(b) Lessee stipulates, represents and warrants that Lessee has examined the Leased Premises, and that they are at the time of this Lease in good order, repair, and in a safe, clean, and tenantable condition. Lessee represents that it is taking possession of the Premises in their "as is" condition. Lessee acknowledges that it has not made an independent environmental assessment of the Premises, and agrees to maintain the Premises in their present condition.

(c) The Lessee also acknowledges that no agreements nor promises to alter, improve, adapt, repair or keep in repair the Leased Premises, or any improvement or appurtenance on the Leased Premises have been made and entered into by the Lessor and Lessee, other than those included in the terms of this Lease.

(d) The Lessee acknowledges that the Leased Premises or portions thereof, may be subject to restrictions or closures in the event that endangered species, as provided by law, are present.

**2.03 Historic Property Restrictions.**

(a) The Lessee shall ensure that all of its activities involving the Leased Premises are in compliance with the National Historic Preservation Act including, but not limited to, Section 106 of that Act, and with the requirements of part 800 of Title 36 of the Code of Federal Regulations. In addition to the SHPO requirements of 2.01 above, the Lessee may also be required to comply with the Local Historic District Act, MCL 399.201, *et seq.*, if applicable.

(b) The Lessee agrees to maintain and restore, at its own expense, and to the standard of the recommended treatment of "The Secretary of the Interior's Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings" (revised 1990) and the Department of the Interior Historic Preservation Briefs the structures on the Leased Premises. The parties understand that restoration efforts may require considerable time and resources and may be scheduled over a period of years. As such, no specific timetable is established for restoration.

(c) No ground disturbance or archaeological work may be undertaken without prior written approval of the Department and SHPO.

(d) Once the Leased Premises have been restored, the SHPO may conduct an inspection to verify that any rehabilitation work completed was done as agreed upon. The SHPO may arrange additional compliance inspections with the Lessee.

**2.04 Alterations.** Alterations to the facilities may be made by the Lessee at the expense of the Lessee, but only with the specific prior written approval of the Lessor and SHPO. Any additions or improvements made to the Leased Premises shall become the property of the Department upon installation.

**ARTICLE III – USE OF THE PREMISES**

**3.01 Authorized Uses of the Leased Premises.** The primary purpose for the Lease of the Leased Premises is for Lessee to operate a Living Lightkeeper's Museum in the lighthouse building and to provide interpretive opportunities in the Keeper's Residence. The Fog Signal Building may be used as a gift shop. The Lessee may host special events with the prior written approval the Department Representative.

- (a) The Lessee may use the Leased Premises for the following purposes:
- (1) to maintain and restore the Grand Traverse Lighthouse in accordance with the Secretary of the Interior's Standards for Rehabilitation and Guidelines for the Rehabilitation of Historic Buildings. (N.P.S., 1990);
  - (2) to operate a gift shop/museum within the Leased Premises, for the public, to raise funds for the support of the Grand Traverse Lighthouse Museum's restoration, maintenance, preservation and operational efforts.
- (b) The Lessee shall obtain the prior written consent from the Department

Representative before using the Leased Premises for any other purpose.

**3.02 Inspections.** The Leased Premises shall be open to inspection by the Department Representative during normal business hours or by prior notice to Lessee.

**3.03 Access and Vehicle Permits.** All vehicles, other than U.S. Coast Guard vehicles, State of Michigan vehicles, vendor delivery vehicles, employee and volunteer vehicles (while on official business), must properly display valid Michigan State Park Motor Vehicle Permits. A designated employee parking area must be approved by the Department Representative and designated as such with signage by Lessee.

**3.04 Admission Fees.** The Lessee may charge a fee or request donations in connection with the Lessee's use of the Leased Premises. Lessee must submit proposed fee/donation policy to Department Representative for prior written approval. Any proposal for change in the fee/donation policy must be submitted in writing to the Department Representative sixty (60) days in advance of implementation for his/her approval or denial. The proposed change may be considered approved by the Lessee unless the Department Representative notifies the Lessee of a denial within fifteen (15) business days of the written request.

**3.05 Merchandise.** The merchandise offered for sale on the Leased Premises shall be in keeping with the historic or maritime theme of the area, camping supplies and other amenities. The Department reserves the right to reject the sale of items not consistent with the mission of the State's Parks and Recreation Bureau and the cultural and historic aspects of the area.

**3.06 Prohibited Activities.** In order to maintain the historic atmosphere and protect the buildings and area, the Department prohibits the following activities:

- (a) smoking in any of the buildings;
- (b) dogs or other animals in any of the buildings at any time except personal service dogs/animals;
- (c) display of any pictures, books, magazines or other products that do not relate to or enhance the mission of interpretation of maritime history or the cultural and historic aspects of the area;
- (d) fireworks of any kind, firearms, air guns, sling shots, bows and arrows;
- (e) installation of mechanical rides, pinball machines, coin-operated amusement machines or similar devices in or about the Leased Premises;
- (f) sale of alcoholic beverages or tobacco products;
- (g) gambling;
- (h) consumption of alcoholic beverages except as follows:

1. resident keepers may consume alcoholic beverages in their private living quarters,
2. alcoholic beverages may be served at special events as long as Lessee obtains:
  - (a) all necessary permits/licenses;
  - (b) event liability insurance in an amount consistent with DNR's guidelines for liability Insurance for user groups, and
  - (c) the prior written approval of the Department Representative.

**3.07 Aids to Navigation.** Lessee may not engage in any activity that obstructs, interferes with, or otherwise adversely impacts on the operation of any aid to navigation that is located on the Leased Premises, without the prior written approval of the Department Representative.

**3.08 Laws, Codes and Permits.** Lessee shall comply with all applicable (including but not limited to all environmental) laws, regulations, and codes and will obtain any necessary permits in connection with its use of the Leased Premises.

**3.09 Standard of Performance.** The Lessee shall operate the facilities under the Lease according to law and good business practices. The Lessee, or designated representative, shall be present at the Leased Premises at all times that it is open for business. The Park Unit Supervisor or designee cannot act on their behalf.

**3.10 Quality of Services.** The Lessee, by continuous personal supervision, shall provide for the establishment, operation, and maintenance of the Leased Premises so as to make available appropriate services for the public. Good business practices shall be followed, including standards and rules for sanitation and safety as required by federal, state, and local laws.

**3.11 Safety.** The Lessee shall have a comprehensive safety program. The safety program must insure that all premises, buildings, and equipment and related procedures comply with all state and federal regulations pertaining to both employee and public safety.

#### **ARTICLE IV – RECORDS/REPORTS**

**4.01 Accounting Records.** The Lessee shall keep or cause to be kept accurate books, records and accounts of its operations under this Lease, separate and apart from Lessee's other operations. The Lessee shall make all reports concerning the operation available to the Lessor at such time as the Lessor may require.

**4.02 Annual Reports.** The Lessee shall submit an annual report to the Department Representative regarding the activities and programs conducted on the Leased Premises; including a financial summary. This report is due ninety (90) days, after the end of each calendar year.

**4.03 Audits.** The Lessor, upon thirty (30) days notice, shall have the right to audit the books, records, and accounts of the Lessee's operations for this Lease.

ARTICLE V – UTILITIES/TAXES

**5.01 Utilities and Telephone.** The Lessee shall pay for all utilities (electric, heat, etc.) used in the operation. Lessee may have telephone installed at its own expense and shall pay the bills for it. Failure to pay phone or utility bills may result in termination of this Lease.

**5.02 Taxes.** The Lessee shall pay all federal, state, and local taxes, the assessments, fees and/or real property taxes or payments in lieu of taxes, which are or which may become legally chargeable to the business operated under the terms of this Lease. The parties recognize that the Leased Premises are currently exempt from real estate and personal property taxation and that the Lessee’s intended use and operation of the Leased Premises is consistent with its charitable purposes.

ARTICLE VI - MAINTENANCE

**6.01 Maintenance of Building, Facilities and Fixtures.** The Lessee will secure, maintain, and keep in good repair the Leased Premises, at its sole expense.

**6.02 Sanitation.** The Lessee shall, at its cost, provide trash containers for the disposal of all garbage, waste and debris from the buildings and grounds within and surrounding the headquarters. The Lessee shall keep the Leased Premises in a clean and sanitary condition and in conformity with standards and rules for sanitation and public health.

**6.03 Storage.** Because of the visual aesthetics of the lighthouse, no storage of equipment, placing of signs, or use of camping trailers or tents will be allowed without prior written approval of the Department Representative. All storage of supplies and equipment must be inside.

**6.04 Trees/Shrubs.** Lessee must obtain the prior written approval of the Department Representative before the cutting of trees and shrubs and/or removal of trees and shrubs on Leased Premises. Lessee is responsible for snow removal on all sidewalks on the Leased Premises.

**6.05 Janitorial.** The Lessee shall perform cleaning and janitorial services within the Leased Premises. These services include, but are not limited to, the cleaning of all floors, windows, eaves, fixtures, and the replacement of light bulbs.

The Lessee shall maintain standards of cleanliness that will reflect favorable public opinion on the Lessee and the Department. If the Department Representative determines that the Lessee has failed to maintain an acceptable standard of cleanliness and if after forty-eight (48) hours, two (2) working days, following verbal and written notification by the Lessor, the problem is not rectified to the satisfaction of the Lessor, the Department may perform or have the duties of the Lessee performed by others. The Lessee shall pay 105% of the cost of such work, whether performed by the Department or by others at the discretion of the Department.

Situations caused by emergencies (broken pipes, etc.) that deter the Lessee from immediate (48 hours) correction shall be reported to the Department Representative and shall be excluded from notice and cure provisions of this clause.

**6.06 Waste.** The Lessee agrees not to commit or suffer to be committed any waste or nuisance on the Leased Premises and will not use or permit to be used the Leased Premises for any unlawful purpose, and further that the Lessee is responsible for all costs and expenses that may be payable or incurred in the use of the Leased Premises in compliance with this Lease.

**6.07 Smoke/Carbon Monoxide Detectors.** Smoke detectors will be installed and maintained in all buildings. Carbon monoxide detectors will be installed and maintained in all buildings with a temporary or permanent heating system.

## **ARTICLE VII - EQUIPMENT AND SUPPLIES**

**7.01 Equipment.** The Lessee must equip the facility with all needed equipment. All equipment that becomes a permanent fixture in the building (excluding trade fixtures) and fastened thereto shall become the property of the Department. Permanent fixtures may be installed only with the prior written approval of the Department. All equipment and materials to be kept on the Leased Premises shall be supplied at the Lessee's own expense.

**7.02 Alteration of Equipment.** The Lessee shall not install, move, or alter any permanent or temporary equipment belonging to the Department. The Lessee shall not modify water supply lines, waste lines, electric lines or other utility, machinery or fixture unless it has prior written approval from the Department.

## **ARTICLE VIII - INSURANCE AND LESSEE INDEMNIFICATION**

**8.01 Insurance.** The Lessee shall provide to the Lessor certificates of insurance listing the State of Michigan, its several departments, boards, agencies, commissions, officers, and employees as additional insureds, within thirty (30) calendar days following the execution and delivery of this Lease to the Lessee, and every year thereafter for the following insurance coverage. The insurance policies shall provide that it may not be modified, canceled, or allowed to expire without thirty (30) days prior written notice given to the Lessor.

(a) The Lessee shall obtain general liability insurance, naming the Lessor, its officers and employees as additional insureds and protecting against all claims, demands, suits, actions or causes of action and judgments, settlements or recoveries, for bodily injury or property damage arising out of a condition of the Leased Premises, or arising in connection with or as a direct or indirect result of the Lessee's use and occupancy of the Leased Premises or its exercise of the right and privileges granted in the Lease. The Lessee agrees to maintain a minimum policy limit, in the amount of \$500,000.00 per occurrence for property damage, \$1,000,000.00 per occurrence for bodily injury and \$2,000,000.00 aggregate.

(b) Lessee covenants that it will, during the continuance of the term of this Lease, keep or cause to be kept the buildings and improvements now or hereafter located on the Leased Premises, insured by a responsible and reputable insurance company or companies against loss or damage for all risks as are currently embraced in the standard extended

coverage endorsement in the State of Michigan, and in an amount equal to the full replacement value of said buildings and improvements.

(c) Lessee shall obtain workers compensation insurance for Lessee Employers' claims under Michigan Workers Compensation Act or similar employee benefit act or any other state act applicable to an employee, along with Employer's Liability Insurance for claims for damages because of bodily injury, occupational sickness or disease or death of an employee when workers compensation may not be an exclusive remedy, subject to a limit of liability of not less than \$100,000 each accident.

(d) Lessee shall maintain automobile no-fault coverage as required by law.

**8.02 Insurance Proceeds.** Any proceeds from insurance relating to the Leased Premises shall be paid to the Department and distributed as follows:

(a) In the event that any State owned item and or the structure of the Leased Premises requires repair, rebuilding or replacement resulting from loss or damage, the Lessee shall promptly give notice of the loss or damage to the Department Representative and the insurance company. After consultation with the Lessee, the Lessor, at its sole option, shall rebuild, replace, or repair the lost or damaged State owned item or structure to the extent of insurance proceeds. Lessor shall enter into the contracts for the replacement and/or restoration. Lessor, at Lessor's option may direct the Lessee to instruct the insurance company to pay the contractor directly or issue the check jointly to State and contractor upon notification to the insurance company that the work has been completed and is satisfactory. In the event it is required by the insurance company the Lessee will be a named payee on the check. In that event, the check will also add "as their interests may appear" after the listed payees.

In the event damage exceeds fifty percent (50%) of the replacement value of the Leased Premises, this Lease may be terminated pursuant to section 13.03 of the Lease or the Lessee may continue with the Lease, repairing or restoring Leased Premises at the Lessee's sole cost.

**8.03 Reporting Personal Injury Accidents/Property Damage.** The Lessee shall report to the Department Representative all accidents that result in personal injury or property damage. The Lessee shall make complete reports in writing to the Department Representative on forms provided by the Department, or forms approved by the Department, within 24 hours of any such incident. **Attachment C (Public Incident Report or Grand Traverse Lighthouse Incident /Accident report)** Incidents resulting in serious personal injury, death, or property damage estimated to exceed One Hundred and 00/100 Dollars (\$100.00) are to be reported to the Department Representative immediately by telephone or in person. A written report is to follow as described above.

**8.04 Performance and Payment Bonds.** Before beginning any substantial construction or substantial renovation of a building, Lessee shall cause Lessor's general contractor or construction manager to provide Lessor, on a Department of Management and Budget, Office of Design and Construction bond form, written evidence from a surety company authorized to

do business in the State of Michigan by the Department of Consumer and Industry Services – Insurance Bureau listed on the U.S. Department of the Treasury Circular 570, showing that a performance bond and payment bond have been issued each in the amount of one hundred percent (100%) of the value of the general construction contract for the applicable work. Such bonds shall be obtained in a manner consistent with Michigan law. Attorneys-in-Fact who sign such bonds shall attach a certified copy of their Power of Attorney to sign such bonds and conduct business in the State of Michigan. Each bond shall assure that Lessor is named as an obligee thereunder with full rights and benefits to enforce the terms and conditions of each bond as if the contract(s) was made directly with Lessor.

**8.05 Indemnification:** Lessee expressly agrees to, defend, hold harmless and indemnify Lessor, its agents and employees, from and against any and all claims (including taxes), causes of action, judgments, costs, losses, suits, demands, liabilities, fines, penalties, damages, and all related costs and expenses (including reasonable attorneys fees and disbursements and costs of investigation, litigation, settlement, judgments, interest and/or penalties), for any bodily injury, loss of life, and/or damage to property, resulting from, arising out of, or in any way connected with the Lessee's use of the Leased Premises, including, alleged violations of environmental laws, that may in any manner be imposed on or incurred by the State, its agents and employees. This indemnification and hold harmless provision shall survive the termination of the leasehold interest.

#### **ARTICLE IX - ASSIGNMENT, SUBLETTING, OTHER CONTRACTS**

**9.01 Prohibition Against Assignment and Subletting.** The Lessee may not transfer or assign this Lease or any part or interest in it, nor sublet or otherwise make available to any third party or parties any portion of the Leased Premises, without the prior written approval of the Department Representative. If any assignment is made, the assignee shall be deemed to have assumed all the obligations of the Lessee. However, an assignment does not release the Lessee of any of Lessee's obligations under the Lease. The Lessee shall not sell, mortgage, or parcel out the Lease hereby granted, or any interest therein. Such action by the Lessee shall be cause for the immediate termination of the Lease.

**9.02 No Unnamed Partners.** The Lessee covenants that there are no unnamed partners legally interested in or having authority over the operation or management of the facilities and further represents that the Lessee is the only entity responsible for carrying out the responsibilities of Lessee.

**9.03 Independent Status of Lessee.** The Lessee and its officers, employees or agents are not employees of the State of Michigan or of the Department. This Lease does not vest in the Lessee or anyone claiming under Lessee any title, tenure or any property belonging to the Department located on or around the Leased Premises.

**9.04 Contracts.** The Lessee may execute contracts or agreements as the operator of the business authorized under the terms of this Lease. The contracts or agreements must not obligate the Lessor or conflict with the terms of the Lease and must contain a provision for automatic termination upon the termination of this Lease. The Lessee shall indemnify, defend, and exculpate the Department from any liability that may accrue or be asserted against the Department under such contracts or agreements.

#### **ARTICLE X - NON-DISCRIMINATION**

**10.01. Discrimination.**

(a) The Lessee shall comply with the Elliot-Larsen Civil rights Act, 1976 PA 435, as amended, MCL 37.2101 et seq., the Persons with Disabilities Civil rights Act, 1976 AP 220, as amended, MCL 37.1101 et seq., and all other Federal, State, and local fair employment practice and equal opportunity laws and covenants that it shall not discriminate against any employee or applicant for employment to be employed in the performance of lease, with respect to his or her hire, tenure, terms, conditions, or privileges of employment, or any matter directly or indirectly related to employment, because of his or her race, religion, color, national origin, age sex, height, weight, marital status, or physical or mental disability that is unrelated to the individual's ability to perform the duties of a particular job or position. The Lessee agrees to include, in every subcontract entered into for the performance of this lease, covenants not to discriminate in employment.

(b) No individual shall be denied ingress or egress to the property covered in this lease on the basis of race, religion, color, national origin, age, sex, height, weight, marital status, or physical or mental disability.

**ARTICLE XI - EASEMENTS, LICENSES AND RIGHTS OF WAY**

**11.01 Easements/Licenses.** This Lease is subject to any outstanding easements, licenses and rights-of-way applicable to the Leased Premises.

**11.02 Additional Easements/Licenses.** The Department reserves the right to grant additional easements, licenses and rights-of-way on or across the Leased Premises, if needed in the public's interest. However, the grantee of any new easement or right-of-way must reimburse the Lessee for any damages the Lessee suffers from the granting of the easement or right-of-way, including loss of the use of some or all of the Leased Premises.

**11.03 Exercise of Easements/Licenses.** The Lessee shall allow the holders of any easements, licenses or rights-of-way to exercise their rights.

**ARTICLE XII - TERMINATION**

**12.01 Termination by the Department.**

(a) If the Lessor determines that the Leased Premises is no longer being used for the purposes intended in this Lease and/or Lessee fails to perform any of its obligations under this Lease, and such failure is not cured within sixty (60) calendar days after written notice of default is given to Lessee, Lessor may terminate this Lease.

(b) The Lessor may terminate this Lease, upon sixty (60) days written notice, if the Lessee or any subcontractor, manufacturer or supplier of the Lessee is found guilty of discrimination as referenced in Section 11.01.

(c) The Lessor may terminate this Lease, upon sixty (60) days written notice, if the Lessee or any subcontractor, manufacturer, or supplier of the Lessee appears in the register compiled by the Michigan Department of Labor pursuant to 1980 PA 278, as amended, MCL 423.321 et seq. (Employers Engaging in Unfair Labor Practices Act).

(d) The Lessor may terminate this Lease, upon sixty (60) days written notice, if the Lessee provided to the Department in its application for this Lease or at any time during the course of the Lease, information that is discovered to be false or fraudulent.

(e) In the event the Lessor's interest in the Leased Premises reverts to the U.S. Federal Government in accordance with its Land Patent or in the event that the Department's authority to enter into the Lease is revoked, this Lease may be terminated by the Lessor upon sixty (60) days written notice to the Lessee delivered either in person or by certified mail to the Lessee's address, return receipt requested.

**12.02 Termination by the Lessee.** In the event that the Lessee wishes to terminate this Lease, it may be terminated only with prior written approval of the Department. It is understood that the Lessee may not terminate and the Department will not approve any request to terminate this Lease without at least sixty (60) days prior written notice and if all of the other Lessor's responsibilities under the Lease have been met.

**12.03 Termination Due to Damage to Leased Premises.** This Lease may be terminated by either party if damage or destruction to the Leased Premises exceeds fifty percent (50%) of the replacement value of the Leased Premises.

**12.04 Vacating Leased Premises** Upon the expiration and/or termination of this Lease, the Lessee shall vacate the Leased Premises within sixty (60) days.

**12.05 Surrender of Leased Premises.**

(a) On or before the expiration, upon termination of this Lease, or upon relinquishment of the Leased Premises by the Lessee, the Lessee shall vacate the Leased Premises and remove all property brought onto the Leased Premises by the Lessee, its officers, employees, contractors, agents and guests and the participants in its activities.

(b) If the Lessee fails to remove property brought onto the Leased Premises within sixty (60) days, the property may either become property of the Department, without payment of compensation, or the Department may have the property removed from the Leased Premises, at the Lessee's expense.

(c) The Department is not liable for any expenses incurred by the Lessee for the removal of the property.

(d) The Lessee agrees that the Department has no obligation to safeguard or care for the property.

**12.06 Restoration of Leased Premises**

(a) Before the expiration or upon the termination of this Lease, the Lessee shall restore the Leased Premises to the condition in which it was received, as shown in ATTACHMENT "B", or to the improved condition if the Department or Lessee made any improvement to the Leased Premises during the term of this Lease, normal wear and tear excepted.

(b) If the Department terminates this Lease, the Lessee has ninety (90) days from receipt of notice of termination to restore the Leased Premises.

(c) If the Lessee fails to restore the Leased Premises as required in this Lease, the Lessee shall pay 105% of any costs incurred by the Department in restoring it.

**ARTICLE XIII – GENERAL TERMS AND CONDITIONS**

**13.01 Non-Enforcement.** The decision of the Department not to enforce, in any one or more instances, the performance of any term of this Lease may not be construed as a waiver or relinquishment of the Department’s right to the future performance of the term. The Lessee’s obligations to comply with all terms of the Lease remains in full force and effect.

**13.02 Notice, Mailing, Addresses and Delivery.** Any notice to Lessor required by this Lease shall be complete if submitted in writing and transmitted by personal delivery (with signed delivery receipt), or certified or registered U.S. mail return receipt requested. Unless either party notifies the other in writing of a different mailing address, notice to the Lessee and Lessor shall be transmitted to the addresses listed below:

To Lessee:

Grand Traverse Lighthouse Museum  
 P.O. Box 43  
 Northport, MI 49670

To Lessor:

State of Michigan  
 Department of Natural Resources, PRB  
 P.O. Box 30257  
 Lansing, Michigan 48909

The notice shall be deemed effective as of 12:00 noon Lansing, Michigan time on the third business day following the date of mailing, if transmitted by mail. Business day is defined as any day other than a Saturday, Sunday, legal holiday, or day preceding or following a legal holiday. A receipt from a U.S. Postal Service, or successor agency, performing such function shall be conclusive evidence of the date of mailing.

**13.03 Application of Law.** This Lease shall be interpreted in accordance with the laws of the State of Michigan.

**13.04 Supersedes any Prior Lease.** This Lease supersedes and cancels any prior Lease, if any, between Lessor and Lessee covering the Leased Premises, which prior Lease shall be null and void when this Lease becomes effective.

**13.05 Severability.** Should any provision of this Lease or any amendments thereto be found to be illegal or otherwise unenforceable by a court of law, such provision shall be severed from the Lease, and such action shall not affect the enforceability of the remaining provisions of the Lease.

**13.06 Entire Agreement.** This Lease, with all attachments, constitutes the entire agreement between the parties with regard to this transaction and may be amended by mutual agreement only in writing and executed in the same manner as this Lease was originally executed.

IN WITNESS WHEREOF, the parties have executed this lease on the date first written above.

WITNESSES:

LESSOR:

Department of Natural Resources  
Parks and Recreation Bureau  
P.O. Box 30257  
Lansing, MI 48909-7757

Francis R. Chry  
Clinton S. Gordon  
W. A. Chry

By: K. L. Cool, <sup>DNR</sup> Director

Date: September 22, 2003

STATE OF MICHIGAN

COUNTY OF Grand Traverse

The foregoing instrument was acknowledged before me this 22<sup>nd</sup> day of Sept.,  
2003, by K. L. Cool on behalf of the Department of Natural  
Resources, Parks and Recreation Bureau.

Nicole Grays

Notary Public, Grand Traverse County,  
Michigan

My Commission Expires:

NICOLE GRAYS  
NOTARY PUBLIC  
GRAND TRAVERSE, MI  
MY COMMISSION EXPIRES  
MARCH 7, 2006

WITNESSES:

LESSEE:

Francis K. Ch...  
Clinton D. Holden  
Della G. A...

Grand Traverse Lighthouse Museum  
P.O. Box 43  
Northport, MI 49670-9717

By: Sterling G. Nickerson

Date: 9-22-03

STATE OF MICHIGAN

COUNTY OF Grand Traverse

The foregoing instrument was acknowledged before me this 22<sup>nd</sup> day of Sept., 2003, by Sterling G. Nickerson on behalf of Grand Traverse Lighthouse Museum, a Michigan Non-Profit Corporation on behalf of the Corporation.

Nicole Grays

Notary Public, Grand Traverse County,  
Michigan

My Commission Expires:

NICOLE GRAYS  
NOTARY PUBLIC  
GRAND TRAVERSE, MI  
MY COMMISSION EXPIRES  
MARCH 7, 2006



RECEIVED

APR 23 2012

Cheboygan Field Office

**LEASE AMENDMENT**

Between

**Grand Traverse Lighthouse Museum**  
as Lessee

And

**THE STATE OF MICHIGAN**  
as Lessor

covering operations at the  
**Grand Traverse Lighthouse**

15500 kb

The State of Michigan, **Department of Natural Resources**, (Lessor), and the **Grand Traverse Lighthouse Museum**, (Lessee), whose address is 1550 N. Lighthouse Point Road, Northport, MI 49670-9717 do hereby agree to the terms and conditions of this Amendment to the Lease between the above stated parties executed on **September 22, 2003**. Where the Lease may conflict with this Amendment, the Amendment shall control the Lease between the parties.

1. Section 1.01, 'Lease', shall be amended as follows:

The Lessor, in consideration of the covenants and representations made in this Lease, grants the Lessee, the right to maintain and operate the "Leased Premises" which includes the Grand Traverse Lighthouse, Fog Signal Building, Garage and Oil House located at Leelanau State Park, as well as the grounds immediately surrounding the Buildings designated in **Attachment A and A1**, and the right of ingress and egress, subject to the right of the terms and conditions of Article III, Section 3.03 of the original Lease.



WITNESS:

Mark Westman  
Rita Ruff

LESSEE:  
GRAND TRAVERSE LIGHTHOUSE  
MUSEUM

By: Karl Dagnon  
Title: President  
Date: 3/30/12

STATE OF MICHIGAN )  
 )ss.  
COUNTY OF \_\_\_\_\_ )

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2012 by \_\_\_\_\_ on behalf of the Grand Traverse Lighthouse Museum.

Notary Public, \_\_\_\_\_ County, Michigan.  
Acting in \_\_\_\_\_ County.

My Commission Expires: \_\_\_\_\_

CYNTHIA M. GOTTWALD  
Notary Public, State of Michigan  
County of Benzie  
My Commission Expires 11.04.16  
Acting in the County of Grand Traverse  
Cynthia M. Gottwald 3/30/12

D.3 Grand Traverse Light Station Reservation Patent

Eastern States 48653-01

*The United States of America*

*To all to whom these presents shall come, Greetings:*

**WHEREAS,**

**State of Michigan, Department of Natural Resources**

is entitled to a land patent pursuant to the Recreation and Public Purposes Act of June 14, 1926 (44 Stat. 741), as amended and supplemented (43 U.S.C. 869 et seq.) for the following described land:

Michigan Meridian, Michigan

T. 32 N., R. 10 W.,

sec. 6, lot 3 Grand Traverse Light Station Reservation, including all associated structures.  
being more particularly described as:

Beginning at the intersection of sections 5, 6, 7 and 8, Township 32 North, Range 10 West,  
Thence,

N. 53° 27' W., 34.456 chains, to Angle Point No.1, the place of beginning,

N. 0° 18' E., 12.600 chains, to Angle Point No. 2 on the present shoreline of Lake Michigan,  
Thence, with the meanders of Lake Michigan,

S. 89° 41' W., 2.199 chains,

S. 70° 45' W., 3.741 chains,

N. 88° 22' W., 4.781 chains,

S. 80° 33' W., 2.563 chains,

S. 19° 35' W., 5.144 chains,

S. 9° 47' E., 6.241 chains, to special Meander Corner,

S. 89° 42' E., 13.636 chains, to Angle Point No. 1, the place of beginning, as shown on the plat  
of survey for the Grand Traverse Light Station accepted for the Director of January 22, 2002.

containing 16.37 acres.

**NOW KNOW YE**, that the **UNITED STATES OF AMERICA**, in consideration of the premises, and in conformity with the said Act of Congress, **HAS GIVEN AND GRANTED**, and by these presents **DOES GIVE AND GRANT** unto the said State of Michigan Department of Natural Resources the tract above described, as Grand Traverse Light Station Reservation; **TO HAVE AND TO HOLD** the same, together with all the rights, privileges, immunities, and appurtenances, of whatsoever nature, thereunto belonging, unto the same State of Michigan Department of Natural Resources, forever; and

**61-2003-0039**

Patent Number \_\_\_\_\_

Eastern States 48653-01

**EXCEPTING AND RESERVING TO THE UNITED STATES:**

All mineral deposits in the lands so patented, and the right of the United States, or persons authorized by the United States, to prospect for, mine and remove such deposits from the same under applicable laws and regulations as the Secretary of the Interior may prescribe.

The unrestricted right to keep the aid to navigation and associated equipment on the property and the unrestricted right to relocate or add any aids to navigation and associated equipment or make any changes on any portion of the property as may be necessary for navigation purposes. The term "aid to navigation" shall include electronic navigation equipment, communications equipment and any other associated lighthouse or navigational equipment.

An easement to enter upon and have access to the property, including the right to enter the property at anytime, without notice, for the purpose of operating and maintaining any aid to navigation and associated equipment in use on the property.

A negative easement over and upon the property for the purpose of preserving the arc of visibility for any lighted aid to navigation located upon the property, including the right to remove all vegetation, man made structures of any kind and any other objects that may impair, obscure or obstruct the arc of visibility. The term "arc of visibility" is defined as the portion of the horizon over which a lighted aid to navigation is visible from seaward.

An easement to install, operate and maintain utility lines upon the property to service the aids to navigation.

**SUBJECT TO:**

All aids to navigation located on or associated with the property shall remain the personal property of the United States, and shall continue to be operated and maintained by the United States for as long as they are needed for this purpose.

The patentee, or its successor in interest, may not interfere with or allow interference in any manner with the aids to navigation without the express written permission from the Commandant, United States Coast Guard or his delegate.

All historical artifacts, including any lens or lantern, located on or associated with the property shall remain the personal property of the United States and will be subject to the provisions of Section 106 of the National Historic Preservation Act (as amended).

The patentee, or its successor in interest, shall comply with all the provisions of Executive Order No. 11246 of September 24, 1965, as amended, and the rules, regulations and relevant orders of the Secretary of Labor. Neither patentee nor patentee's subcontractors shall maintain segregated facilities. The patentee may not restrict or permit restriction on the use of any of the lands conveyed or facilities thereon because of race, creed, color, sex, age or national origin.

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The patentee, or its successor in interest, shall comply with all the provisions of the American with Disabilities Act of July 26, 1990, the Architectural Barriers Act of 1968 and section 504 of the Rehabilitation Act of 1973, as amended. These Acts require that programs and public facilities constructed or renovated be accessible to and usable by person with disabilities.

In the event the Piping plover attempt to nest on the property, the Michigan Department of Natural Resources will coordinate with the U.S. Fish and Wildlife Service to take appropriate action to restrict access to the nesting territory during the nesting season.

In the event that Pitcher’s Thistle should be documented on the property, the Michigan Department of Natural Resources will take the necessary action to restrict access to the area supporting the plants.

Provided, the above described property, along with the rights, title and interest, shall immediately revert to the United States, after notice and opportunity for a hearing, upon a finding that:

- I. the patentee, or its successor in interest, attempts to transfer title to or control over the property to another;
- II. the property is devoted to a use other than that for which it was conveyed without the consent of the Bureau of Land Management;
- III. the property has not been used for the purpose for which it was conveyed for a 5-year period;
- IV. the patentee, or its successor in interest, has failed to follow the approved development plan or management plan;
- V. the property ceases to be maintained in a manner consistent with the provisions of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470 et seq.). The patentee, or its successor in interest, shall not undertake, nor be permitted to undertake any construction, alteration, or remodeling activity or any other thing on the property which would affect the structural integrity or appearance of the property without the express prior written permission of the State Historic Preservation Officer;
- VI. the patentee, or its successor in interest, has failed to preserve and maintain the property in accordance with the recommended approaches in the most recent version of the Secretary of the Interior’s Standards for Rehabilitation and Guidelines for Rehabilitating Historic Buildings (National Park Service, 1990) in order to preserve and enhance those qualities that make the property eligible for listing in the National Register of Historic Places.

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Provided further, that the Secretary of the Interior may take action to revest title in the United States if the patentee directly or indirectly permits its agents, employees, contractors, or subcontractors (including without limitation lessees, sublessees, and permittees) to prohibit or restrict the use of any part of the patented lands or any of the facilities thereon by any person because of such person's race, creed, color, sex, national origin, or handicap.

The grant of the herein described lands will also be will also be subject to the following reservations, conditions, and limitations:

- (1) The patentee or its successor in interest shall comply with and shall not violate any of the terms or provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 241), and requirements of the regulations, as modified or amended, of the Secretary of the Interior issued pursuant thereto (43 CFR 17) for the period that the lands conveyed herein are used for the purpose for which the grant was made pursuant to the act cited above, or for another purpose involving the provision of similar services or benefits.
- (2) If the patentee or its successor in interest does not comply with the terms or provisions of Title VI of the Civil Rights Act of 1964, and the requirements imposed by the Department of the Interior issued pursuant to that title, during the period during which the property described herein is used for the purpose for which the grant was made pursuant to the act cited above, or for another purpose involving the provision of similar services or benefits, the Secretary of the Interior or his delegate may declare the terms of this grant terminated in whole or in part.
- (3) The patentee, by acceptance of this patent, agrees for itself or its successors in interest that a declaration of termination in whole or in part of this grant shall, at the option of the Secretary or his delegate, operate to revest in the United States full title to the lands involved in the declaration.
- (4) The United States shall have the right to seek judicial enforcement of the requirements of Title VI of the Civil Rights Act of 1964, and the terms and conditions of the regulations, as modified or amended, of the Secretary of the Interior issued pursuant to said Title VI, in the event of their violation by the patentee.
- (5) The patentee or its successor in interest will, upon request of the Secretary of the Interior or his delegate, post and maintain on the property conveyed by this document signs and posters bearing a legend concerning the applicability of Title VI of the Civil Rights Act of 1964 to the area or facility conveyed.

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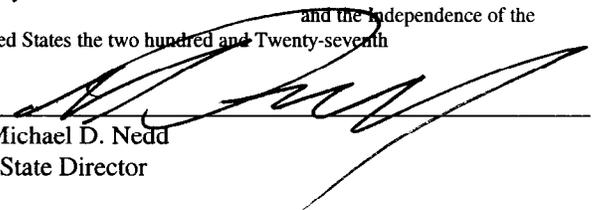
Eastern States 48653-01

(6) The reservations, conditions, and limitations contained in paragraphs (1) through (5) shall constitute a covenant running with the land, binding on the patentee and its successors in interest for the period for which the land described herein is used for the purpose for which this grant was made, or for another purpose involving the provision of similar services or benefits.

(7) The assurances and covenant required by sections (1) - (6) above shall not apply to ultimate beneficiaries under the program for which this grant is made. "Ultimate beneficiaries" are identified in 43 CFR 17.12(h).

IN TESTIMONY WHEREOF, the undersigned authorized officer of the Bureau of Land Management, in accordance with the provisions of the Act of June 17, 1948 (62 Stat. 476), has, in the name of the United States, caused these letters to be made Patent, and the seal of the Bureau to be hereunto affixed.

Given under my hand, in Springfield, Virginia  
 the twenty-second day of September  
 in the year of our Lord two thousand and three  
 and the Independence of the  
 United States the two hundred and Twenty-seventh

By   
 Michael D. Nedd  
 State Director

Patent Number 61-2008-0089