

Peaine Township
Beaver Island, Michigan

5-Year Recreation Plan
(2019-2024)



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PURPOSE OF THE PLAN

This five-year plan identifies the key recreational assets of Peaine Township and the recreational goals, objectives and action programs developed for adoption by the Township Board following public input. It is intended that this recreation plan complement the 2017 Beaver Island Master Plan, which included significant public input, as well as recreation and eco-tourism initiatives island-wide. It is also intended that this plan integrate with the St. James Township Recreation Plan, which, when combined, would serve as a comprehensive recreation plan for all of Beaver Island.

CONTENTS OF THE RECREATION PLAN

1. Community Description
2. Administrative Structure
3. Recreation Inventory
4. Assessment of Parks and Campgrounds
5. Description of Planning and Public Input Process
6. Goals, Objectives and Action Programming

1. COMMUNITY DESCRIPTION

The Beaver Island Archipelago

The Beaver Island Archipelago includes 14 islands that vary in size, biodiversity and ownership. While this Recreation Plan is focused on Peaine Township, it is important to describe the cultural resources, recreational opportunities and land ownership of several of the larger islands in the archipelago. Of the Beaver Island Archipelago, most are within Charlevoix County. North and South Fox Islands are part of Leelanau County.

Beaver Island

Located about 30 miles offshore from the City of Charlevoix, Beaver Island is the largest island in Lake Michigan, with approximately 56 square miles of land.

Beaver Island is unique for many reasons, including a beautiful natural environment with plentiful sand dunes, beaches and wetlands, a distinctly diverse ecology and a close-knit community with a proud island heritage. Beaver Island is the only island in the archipelago home to a permanent population (with the exception of staff at Mirada Ranch on South Fox Island), with a scheduled ferry and an on-demand chartered airline service.

Garden Island

Garden Island is 98% owned by the State of Michigan and is overseen by the Michigan Department of Natural Resources (DNR). Once fished, farmed and logged by the Anishinaabe and other groups, Garden Island has a Native American cemetery, an abandoned sawmill, and several standing structures.



Photo: LIAA

High Island

High Island is 100% state-owned land and is currently uninhabited. The island was originally named after a mountainous sand dune on its western edge. In the past, Native Americans and settlers lived on the island in small numbers. The island is occasionally used by researchers and the DNR owns several cabins currently in disrepair.

Hog Island

Hog Island is the fourth largest island in the Beaver Island Archipelago and is 100% state land. The island is characterized by a number of wetland areas that are home to a variety of rare plants and animals. Hog Island also provides vital spawning ground for perch and small-mouth bass and draws many rare and unique birds during migration.

Whiskey Island

Whiskey Island is state owned and is uninhabited. Whiskey Island is home to one of most visible shipwrecks in the archipelago, the wreck of the Chandler J. Wells.

North Fox Island

North Fox Island is state owned but has been inhabited by private owners in the past. The island has an operational runway.

South Fox Island

South Fox Island is partially state-owned (about one-third) and partially privately-owned. The island has a paved runway, a private residence, two lighthouses and a Native American cemetery for members of the Grand Traverse Band.

Other Islands

Other islands in the Beaver Island Archipelago include Gull, Squaw, Trout, Grape, Hat, Shoe and Pismire.

Peaine Township

Beaver Island has a land mass of 56 square miles with Peaine Township encompassing the southern portion of the island. The defining features of Peaine Township are its abundant natural resources, forests, wetlands, inland lakes and beaches. While the Township

has a few commercial establishments including a gas station, restaurant, plant nursery, gravel pits and two airports (Beaver Island Airport and Welke Airport), most of the Township is characterized by open space. This is in part because 12,507 acres of Township land is owned by the State of Michigan and classified as a “wildlife research area.” Further, development has mostly occurred along the shoreline and many of the homes are not visible from the road. Much of the development that has occurred inland is nestled in the woods and also not easily visible from the road. A small portion of the interior land is currently being used for farmland. The total number of households in 2017 was 280, an increase of 22 from 2010 (2017 ACS estimate).



As stated in the 2013–2018 Peaine Township Recreation Plan and restated in the 2017 Beaver Island Master Plan, Peaine Township is a recreation and tourism-based community. Its population and housing gains are attributed largely to the growth of second homes, retirees and seasonal tourism. This slowed during the first decade of the 21st century due to the economic recession of the state and Midwest region. Yet tourism, with its short-term visits and seasonal residences, remains the Township’s (and island’s) main economic driver. This economic catalyst requires proper access to and conservation of the unique features of the island. Therefore, it is of critical importance that the Township’s recreational assets, especially its natural features and sensitive natural areas, be retained now and into the future. If they are lost or destroyed, these features may not be easily replaced and the island will lose its essence and distinctive sense of place.

Population

Peaine Township saw population increases from 1990 to 2017 at rates higher than St. James Township, Beaver



Photo: LIAA

Island, Charlevoix County and the State of Michigan as a whole (See Table 1). While this increase in residents was more drastic between 1990 and 2000 when the population nearly doubled in size, this trend of growth has largely plateaued since. As illustrated in Table 2, Peaine Township’s population is expected to increase slightly over the next 20 years, with a projected population of 269 by 2030.

Table 1. Population, 1990-2017

	1990	2000	2017	% Change 1990 to 2000	% Change 2000 to 2017
Peaine Township	128	244	264	90.6	8.2
St. James Township	276	307	330	11.2	7.5
Beaver Island	404	551	594	36.4	7.8
Charlevoix County	21,468	26,090	26,160	21.5	0.3
State of Michigan	9,295,297	9,938,444	9,925,568	6.9	-0.1

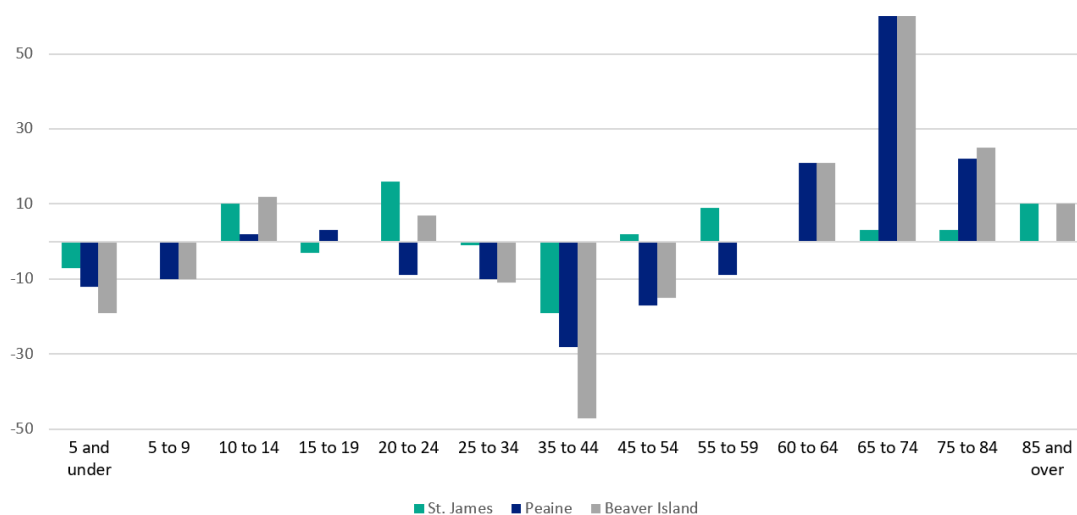
Source: U.S. Census Bureau (1990, 2000), American Community Survey (2013-2017)

Table 2. Projected Population

	Estimated Population		Projected Population				% Change 2017 to 2030
	2017	2015	2020	2025	2030		
Peaine Township	264	264	265	267	269		2.1
St. James Township	330	330	331	334	337		2.1
Beaver Island	594	594	596	602	606		2.1
Charlevoix County	26,160	26,032	26,127	26,371	26,579		1.6

Source: American Community Survey (2013-2017), Institute for Research on Labor, Employment, and the Economy, University of Michigan. Prepared for Michigan Department of Transportation, March 2012.

Figure 1. Change in Number of Residents by Age, 2000-2017, Beaver Island



Age

The majority of Peaine Township residents are age 45 and over. The median age, as shown in Table 3, rose from 49.5 in the year 2000 to 58.2 in 2017. Shown in Table 4, there are relatively few school-aged children living in the Township. The age groups that saw the greatest increases in percent of the total population between 2000 and 2017 were those 60 to 84. Nearly all of the middle-aged and younger population distributions saw decreases in their proportionate size to the overall population. Table 5 shows a similar trend happening in St. James Township. The island's population change over time can therefore be summarized as follows: The middle-aged population has reached retirement age and the younger generations are not growing fast enough to keep up proportionally.

Table 3. Median Age, 2000-2017

	2000	2017	% Increase, 2000 to 2017
Peaine Township	49.5	58.2	17.6
St. James Township	45.6	54.8	20.2
Charlevoix County	39.1	46.4	18.7
State of Michigan	35.5	39.3	10.7

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Table 4. Age Distribution of Peaine Township, 2000-2017

	2000		2017		Change 2000 to 2017	
	#	% of total	#	% of total	#	% Change
5 and under	12	4.9	0	0.0	-12	-100.0
5 to 9	10	4.1	0	0.0	-10	-100.0
10 to 14	12	4.9	14	5.3	2	16.7
15 to 19	8	3.3	11	4.2	3	37.5
20 to 24	11	4.5	2	0.7	-9	-81.8
25 to 34	11	4.5	1	0.4	-10	-90.9
35 to 44	36	14.8	8	3.0	-28	-77.8
45 to 54	46	18.9	29	11.0	-17	-37.0
55 to 59	28	11.5	19	7.2	-9	-32.1
60 to 64	20	8.2	41	15.5	21	105.0
65 to 74	33	13.5	100	37.9	67	203.0
75 to 84	14	5.7	36	13.6	22	157.1
85 and over	3	1.2	3	1.1	0	0.0
Total Population	244	100.0	264	100.0	20	8.2

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Table 5. Age Distribution of St. James Township,
2000-2017

	2000		2017		Change 2000 to 2017	
	#	% of total	#	% of total	#	% Change
5 and under	11	3.6	4	1.3	-7	-63.6
5 to 9	14	4.6	14	3.2	0	0.0
10 to 14	33	10.7	43	8.8	10	30.3
15 to 19	23	7.5	20	6.0	-3	-13.0
20 to 24	3	1.0	19	2.8	16	533.3
25 to 34	13	4.2	12	2.6	-1	-7.7
35 to 44	52	16.9	33	9.8	-19	-36.5
45 to 54	41	13.4	43	16.1	2	4.9
55 to 59	20	6.5	29	10.1	9	45.0
60 to 64	28	9.1	28	6.6	0	0.0
65 to 74	45	14.7	48	20.5	3	6.7
75 to 84	21	6.8	24	9.4	3	14.3
85 and over	3	1.0	13	2.8	10	333.3
Total Population	307	100.0	330	100.0	23	7.5

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Race

Most residents on Beaver Island are White (Table 6), though the Hispanic population in both Townships has slightly increased since the year 2000 (Tables 7 and 8). There is also a small population of individuals identifying as Native American or Alaskan. Overall, the distribution of races has remained largely the same over the past two decades.

Table 6. Beaver Island Population by Race

	2000		2017		# Change 2000 to 2017
	#	% of total	#	% of total	
White Alone	541	98.2	572	96.3	31
Hispanic	1	0.2	13	2.2	12
Native American or Alaskan	6	1.1	8	1.3	2
African American	0	0.0	0	0.0	0
Asian	0	0.0	0	0.0	0
Other Race Alone	0	0.0	0	0.0	0
Two or More Races	3	0.5	1	0.2	-2
Total Population	551	100.0	594	100.0	43

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Table 7. Race Distribution in Peaine Township

	2000		2017		% Change 2000 to 2017
	#	% of total	#	% of total	
White Alone	238	97.5	260	98.5	9.2
Hispanic	1	0.4	3	1.1	200.0
Native American or Alaskan	2	0.8	0	0.0	-100.0
African American	0	0.0	0	0.0	-
Asian	0	0.0	0	0.0	-
Other Race Alone	0	0.0	0	0.0	-
Two or More Races	3	1.2	1	0.4	-66.7
Total Population	244	100.0	264	100.0	8.2

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Table 8. Race Distribution in St. James Township

	2000		2017		% Change 2000 to 2017
	#	% of total	#	% of total	
White Alone	303	98.7	312	94.5	3.0
Hispanic	0	0.0	10	3.0	-
Native American or Alaskan	4	1.3	8	2.4	100.0
African American	0	0.0	0	0.0	-
Asian	0	0.0	0	0.0	-
Other Race Alone	0	0.0	0	0.0	-
Two or More Races	0	0.0	0	0.0	-
Total Population	307	100.0	330	100.0	7.5

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Poverty and Education

While individual poverty rates increased in Charlevoix County and the State of Michigan between 2000 and 2014, Beaver Island has seen a reduction in the percentage of residents experiencing poverty. Peaine Township, as shown in Table 9, slightly increased in the total number of impoverished individuals during the 14-year span, though this socioeconomic group now makes up a smaller percentage of the total population. Furthermore, St. James has seen a reduction in poverty in terms of the number of individuals as well as their percent of the overall population. In contrast, poverty rates in Charlevoix County and the State of Michigan increased by 67.3% and 59.9%, respectively.

Peaine Township residents have a relatively higher level of academic achievement than the State of Michigan as

a whole. Twenty-seven percent of Township adults over 25 years old have acquired a graduate or professional degree, double the rate for Charlevoix County and the State of Michigan. In addition, 74.2 percent have completed at least some college or have acquired an Associate's degree. Just 2.1 percent of Peaine Township residents did not graduate high school according to 2017 estimates.

Because of the reduction in school-age youth, enrollment in Beaver Island Community School has followed a downward trajectory since the 2010-11 school year. Shown in Table 11, enrollment rates have dropped by nearly 25 percent during the past decade. Charlevoix-Emmett school enrollment rates have experienced a similar reduction in recent years.

Table 9. Individuals in Poverty, 2000-2014

	2000		2014		Change (2000 to 2014)	
	#	% of total population	#	% of total population	#	% change
Peaine Township	17	8.2	21	7.8	4	23.5
St. James Township	22	6.6	14	4.4	-8	-36.4
Charlevoix County	2,064	8.0	3,453	13.4	1,389	67.3
State of Michigan	1,021,605	10.5	1,633,316	16.9	611,711	59.9

Source: U.S. Census Bureau (2000), American Community Survey (2010-2014)

Table 10. Highest level of education received in 2017, by percent of adults over 25 years old

Year	Did not Graduate High School	High School Graduate	Some College or Associate's Degree	Bachelor's Degree	Graduate or professional degree
Peaine Township	2.1	23.6	25.7	21.5	27.0
St. James Township	4.3	35.7	30.0	13.9	16.1
Charlevoix County	6.4	30.3	32.9	17.5	12.8
State of Michigan	9.7	29.3	32.9	17.1	11.0

Source: American Community Survey (2013-2017)

Table 11. School Enrollment

	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
BI Community Schools	65	69	60	69	58	51	50	46	49
Charlevoix-Emmett ISD	9,924	9,866	9,618	9,372	9,164	9,034	8,941	8,761	8,673

Source: Michigan School Data as found on MISchoolData.org

Housing

The housing trends in Peaine Township and Beaver Island are linked to the aging population trends, as well as the lower school enrollment rates. Between 2000 and 2017, Beaver Island's percent of owner-occupied housing units decreased from 31.6% to 27.1% (see Table 12). The renter occupancy rate also saw a minor decrease. The greatest percent increase in housing units came from those that are seasonally used. Seasonal homes grew from 463 (62.5% of housing stock) to 699 (67.5% of housing stock) during the 17-year span. This means that the vast majority of the Island's housing units are occupied for only part of the year.

Tables 13 and 14 show that despite the increase in the total number of owner-occupied and seasonally used housing units, Beaver Island's properties have lower equalized and taxable values than in 2010. Peaine Township's equalized values for residential properties decreased from nearly \$103 million in 2010 to just over \$79 million in 2019. St. James Township's equalized and taxable property values have followed the same pattern as Peaine. In contrast, Beaver Island's agricultural, commercial and industrial property categories have all increased in value during the past decade.

Table 12. Housing Characteristics of Beaver Island, 2000-2017

	2000		2017		Change (2000 to 2017)	
	#	% of total housing units	#	% of total housing units	#	% change
Owner-Occupied	234	31.6	280	27.1	46	19.7
Renter-Occupied	24	3.2	29	2.8	5	20.8
Vacant, Not Seasonal	20	2.7	46	4.4	26	130.0
Seasonally Used	463	62.5	699	67.5	236	51.0
Total Housing Units	741	100.0	1,035	100.0	294	39.7

Source: U.S. Census Bureau (2000), American Community Survey (2013-2017)

Table 13. Equalized Values on Beaver Island, by Property Type in 2010 and 2019

	2000		2019		Change (2000 to 2019)	
	Peaine	St. James	Peaine	St. James	Peaine	St. James
Agricultural	\$355,000	0	\$397,700	0	\$42,700	0
Commercial	\$1,868,200	\$7,114,300	\$2,360,100	\$7,758,900	\$491,900	\$644,600
Industrial	\$851,700	0	\$1,033,500	0	\$181,800	0
Residential	\$102,897,700	\$64,639,400	\$79,269,100	\$51,706,000	\$-23,628,600	\$-12,933,400
Total Real Property Values	\$105,972,600	\$71,753,700	\$83,060,400	\$59,464,900	\$-22,912,200	\$-12,288,800

Source: Charlevoix County Equalization Office

Table 14. Property Tax Valuations for Residential Properties, 2010-2019

	Peaine Township*	St. James Township*	Charlevoix County
2010	\$10.290	\$6.464	2.278 Billion
2011	\$11.176	\$6.369	2.283 Billion
2012	\$10.736	\$6.108	2.158 Billion
2013	\$8.999	\$5.322	1.197 Billion
2014	\$8.308	\$5.063	1.982 Billion
2015	\$8.287	\$5.211	2.059 Billion
2016	\$8.061	\$5.287	2.155 Billion
2017	\$7.752	\$5.167	2.271 Billion
2018	\$7.787	\$5.079	2.347 Billion
2019	\$7.927	\$5.171	2.449 Billion

*In \$10,000,000s

Source: Charlevoix County Equalization Office

2. ADMINISTRATIVE STRUCTURE

Peaine Township is governed by an elected Township Board consisting of five members (a Supervisor, a Clerk, a Treasurer and two trustees). This board adopts the annual levy and budget of the Township. The following describes how recreation functions are carried out in the Township:

- The Township Board takes direct responsibility for policies and operations of Township-owned recreation assets. It also shares in the costs of recreation assets owned jointly with St. James Township. Paid services such as maintenance are performed by employees or contracted out.
- The current Peaine Township budget (April 2019-April 2020) allocates a total of \$68,000 for parks and recreation. This is about 19% of projected (discretionary) revenue for the year. Detailed projected expenditures include:
 - Township Hall & campground maintenance (wages): \$16,750
 - Trail & campground maintenance, repairs and supplies: \$9,700

○ Trail maintenance and improvements: \$11,160

○ Emergency call towers: \$7,700

○ Capital outlay for new outhouses: \$4,000

○ Historical Society: \$12,000

- In addition, the 2019-2020 budget includes utilities servicing the campground and Township Hall and road maintenance and snowplowing so access to the sites is maintained. These items are not accounted for separately in the budget.
- Numerous recreational activities are implemented by island organizations, such as the Beaver Island Chamber of Commerce, the Beaver Island Archipelago Trails Association, sports boosters, and the Beaver Island Wildlife Club, with many island residents and visitors taking part. In addition, a number of recreation-related businesses are active (including kayak trips and rentals, charter fishing, diving and eco-tours). The Beaver Island Community School and Central Michigan University (CMU, which operates research and educational facilities on the island) often partner with the Township. CMU's Biological Station conducts

community field trips every summer, and CMU is creating a museum with an interactive Great Lakes education and outreach exhibit as part of its new research space at the boathouse on Whiskey Point. The Historical Society is working on plans for a new museum that will contain an exhibit on the island's natural features.

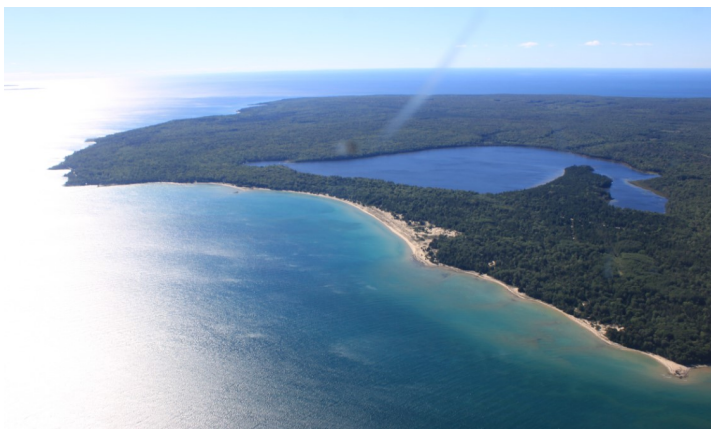


Photo: LIAA

3. RECREATION INVENTORY

The tables on the following pages provide a description of recreational sites on Beaver Island. These sites are organized by location. Table 15 is a summary of recreation sites located in St. James Township. Information on ownership is included as well as the access to the site and approximate size. This information was adopted from the St. James Township Recreation Plan (2018). Table 16 summarizes the same information for sites in Peaine Township. Table 17 is a listing of Beaver Island recreation projects completed with the Michigan Department of Natural Resources (DNR) grant funding. Finally, Maps 1, 2, 3 and 4 show Beaver Island's non-motorized routes, birding trails, recreational facilities and water trail access sites, respectively.

There are many additional recreational opportunities not included in the tables on the following pages, including:

1. The DNR owns 12,057 acres in Peaine Township. Most of the land owned by the DNR is designated as a Wildlife Research Area. The area is characterized by old logging roads, trails and forests. The land is open to the public for hunting (during season) and wildlife viewing.
2. Bird watching and Beaver Island Birding Trails.
3. The Beaver Island Water Trail.
4. Kayaking, canoeing, sailing and motor boating on Lake Michigan, around the shore of Beaver Island or to one of the outer islands of the Archipelago. All of High Island, Whiskey Island and most of Garden Island is owned by the DNR.
5. Diving. A certified diver operates a Dive Shop on the island. There are a number of shipwrecks in the area, and the clear water is highly sought after by divers.
6. Star gazing and astronomy. Beaver Island has a dark sky and little ambient light to interfere with viewing.
7. Morel, oyster and other edible mushrooms, cranberries, blueberries and apples are abundant on the island and harvesting them is a favorite pastime. Old orchards and bogs are plentiful in Peaine Township.
8. Privately owned campgrounds (two).
9. Golf course (privately owned).
10. Beaver Head Lighthouse to be developed as a county park.

Table 15
Recreation Sites Located in St. James Township

#	Name	Location/Size	Size	Ownership	Purpose/Use	Access
1	Jewell Gillespie Park	St. James Harbor	Nearly 1 acre	SJT	Harbor beach with playground equip, parking lot, and road	Public
2	Beaver Island Yacht Dock & property across the street	St. James Harbor	1 acre	SJT & PT	Docks, picnic tables, small building with showers, public restrooms, greenspace	Public including visiting boaters
3	Bud McDonough Ball Park	St. James Harbor	1.5 acres	SJT	Softball field	Public
4	Veterans Memorial Park	St. James Harbor	½ acre	SJT leased from Wolverine Power	Benches, harbor overlook, monuments, flagpole, brick pathway	Public
5	St. James Township Campground	Northern shore	42 acres	SJT	12 campsites, pit toilets, hand water pump	Public
6	Font Lake Boat Launch	N. shore of Font Lake; small strip of inland lake frontage lots across the road		SJT & Charlevoix County Road Commission	Boating and fishing	Public
7	Harbor Light Park	St. James Harbor at Whiskey Point	1 acre	SJT	Beaver Harbor lighthouse, lake frontage, benches, memorial	Public
8	St. James Township Hall	St. James Harbor	¼ acre	SJT	Meeting room	Limited use
9	Tennis Courts & Park	Inland, west of St. James Village	2 acres	SJT	Two tennis courts, one picnic table, small park	Public
10	Paradise Bay Park	St. James Harbor S of ferry dock		SJT	Flower garden, benches	Public
11	Library	Inland, Donegal Bay Rd.		SJT & PT	Library	Public

SJT = St. James Township

PT = Peaine Township

Table 15 (continued)
Recreation Sites Located in St. James Township

#	Name	Location/Size	Size	Ownership	Purpose/Use	Access
12	Gull Harbor Natural Area	North of St. James harbor	14 acres	SJT	Trails, ponds	Public
13	Boat Launch	Gallagher Ave. & Main Street		Charlevoix County Road Commission	Boat ramp	Public
14	Heritage Park	Inland, across from library		SJT leased to BI Historical Society	Outside historic displays	Public
15	BI Marine Museum	St. James Harbor		BI Historical Society	Inside and outside historical marine displays	Public
16	Mormon Print Shop Museum	St. James Harbor		BI Historical Society	Museum with historic displays	Public
17	Petriz Nature Preserve	Shoreline	27 acres 500 feet of shoreline	Little Traverse Conservancy	Walking path	Public
18	BI Community School	Harbor Area	2 acres	BI Community School	School with soccer field, gymnasium, playground	Limited use
19	BI Community Center	Harbor Area	1/2 acre	Preservation Association of BI	Two story facility with auditorium, kitchen, game area	Public
20	Donegal Bay Road Bike Path	Inland from St. James Township Campground to western edge of village		Controlled by SJT through easement rights with private homeowners	2+ mile asphalt bike path (technically the bike path extends to Gull Harbor Natural Area)	Public

SJT = St. James Township

PT = Peaine Township

Table 16
Recreation Sites Located in Peaine Township

#	Name	Location/Size	Size	Ownership	Purpose/Use	Access
1	Peaine Township Hall	Kings Highway		PT	Meeting room & kitchen	Meetings, community events
2	Peaine Township Park & Font Lake Access	Inland, behind Peaine Township Hall		PT	Picnic tables, covered shelter, outhouses, boardwalk to Font Lake	Public
3	Bill Wagner Campground	Lake Michigan, east side of Island / Peaine Township	14.7 acres	Owned by DNR; leased and administered by PT	Primitive campsites, outhouses, fire pits, beach access,	Public
4	Beaver Head Lighthouse	South End Road	45 acres	Charlevoix Parks Department	52 steps to tower; steps to rocky beach	Public; limited hours
5	CMU Biological Station	East Side Drive	500 acres	CMU	Guided nature tours	By appointment
6	Kuebler Trail	Access on Allen's Lakeview and Sloptown Roads		Private ownership and Little Traverse Conservancy	Four miles of trail, old narrow gauge railroad bed; non-motorized uses only	Public/Private
7	McCauley's Point	South end of Donegal Bay	.4 sq. miles	DNR	Rocky beach access, shorebird habitat, Pitcher's Thistle	Public
8	Barney's Lake Nature Preserve	Barney's Lake Road	120 acres 2200' lake frontage	Little Traverse Conservancy	Fishing, hiking trail through woods, canoe, kayak, rowboat storage	Public – no hunting or motorized vehicles

SJT = St. James Township

PT = Peaine Township

Table 16 (continued) Recreation Sites Located in Peaine Township						
#	Name	Location/Size	Size	Ownership	Purpose/Use	Access
9	Bonner's Bluff State Beach (Bonner's Landing)	End of private road off Sloptown Road	.5 x .2 miles	DNR	1500' public beach on Lake Michigan	Public – access over private land
10	Miller's Marsh	West Side Drive	230 acres	CMU	Diverse ecosystem including a wetland dominated by sedges, turtles, beaver lodge, 1 mile walking trail, picnic table, outhouses	Public
11	French Bay Road & French Bay North & South	West Side Drive	.6x.45 mile .2x.45 mile	Private land & DNR	Trail known for dwarf iris; rocky Lake Michigan bay .45 miles of shoreline	Public
12	Greene's Lake Public Access	Inland Lake		Owned by DNR; leased and administered by PT	Fishing	Public
13	Fox Lake Public Access & Boat Launch	Inland Lake – two sites	16 acres	PT	Fishing, kayaking, canoeing, picnic table, outhouse	Public
14	McFadden's Point	On Greene's Bay	.5x.25 miles	DNR	Ecologically important for rare parabolic dunes	Public but access over private land
15	Oliver's Point	West side off Mrs. Redding's Trail	.5x.4 miles	DNR	Trail to Lake Michigan and public beach; .4 miles of shoreline	Public but access over private land

SJT = St. James Township

PT = Peaine Township

Table 16 (continued)
Recreation Sites Located in Peaine Township

16	Little Sand Bay	Off East Side Drive	60 acres	Little Traverse Conservancy	Parking lot, trail, 1300' Lake Michigan beach, bench	Public
17	Martin's Bluff	East Side Drive		Owned by DNR; leased and administered by PT	Trail along bluff, picnic tables, rope railing to beach below	Public
18	Lake Geneserath Public Access	Off East Side Drive - south end of Island		Owned by DNR; leased and administered by PT	Public boat launch, large fishing lake (489 acres), outhouses, trail	Public
19	Cable Creek Trail & Cable Bay Beach	East Side Drive	.2 miles	Owned by DNR; leased and administered by PT	Scenic trail, picnic tables, beach, bridge over creek	Public
20	Iron Ore Bay Public Beach Access	South End of Island	600' frontage / 22 acres	PT & SJT	Beach, picnic table, outhouse	Public
21	Beaver Head Lighthouse (South	South End Rd	400 acres	Charlevoix County	Camping, trails, beach, picnic	Public
22	Mike Boyle's Access Site		66' Easement	Charlevoix County	Public Access Site	Public
23	Protar's House & Tomb	North side of Sloptown Rd and west end of Sloptown Rd		Beaver Island Historical Society	Historical site	Public

SJT = St. James Township

PT = Peaine Township

Table 17			
Parks / Facilities Acquired or Developed with Support from DNR Grant Funds in Peaine Township			
Park Name / Type	Grant Details	Acquisition Details	Development Details
Fox Point	\$150,000 from DNR Trust Fund for 20-acre site with 2,000 ft of water frontage	\$200,000 total acquisition cost: \$150,000 from DNR Trust Fund; \$25,000 contributed by the sellers; \$25,000 contributed by the Little Traverse Conservancy.	Undeveloped



Photos: LIAA

Accessibility Assessment

The accessibility evaluations for Peaine Township have been conducted by the Planning Commission as part of the recreation planning process. The evaluations were based on the United States Access Board's Section 15 – Recreation Facilities, the Accessibility Guidelines for Buildings and Facilities, and the Americans with Disabilities Act, using the ranking criteria suggested by DNR's Guidelines for the Development of Community Park, Recreation, Open Space and Greenway Plans (2016). These criteria are based on the 2010 ADA Standards for Accessible Design.

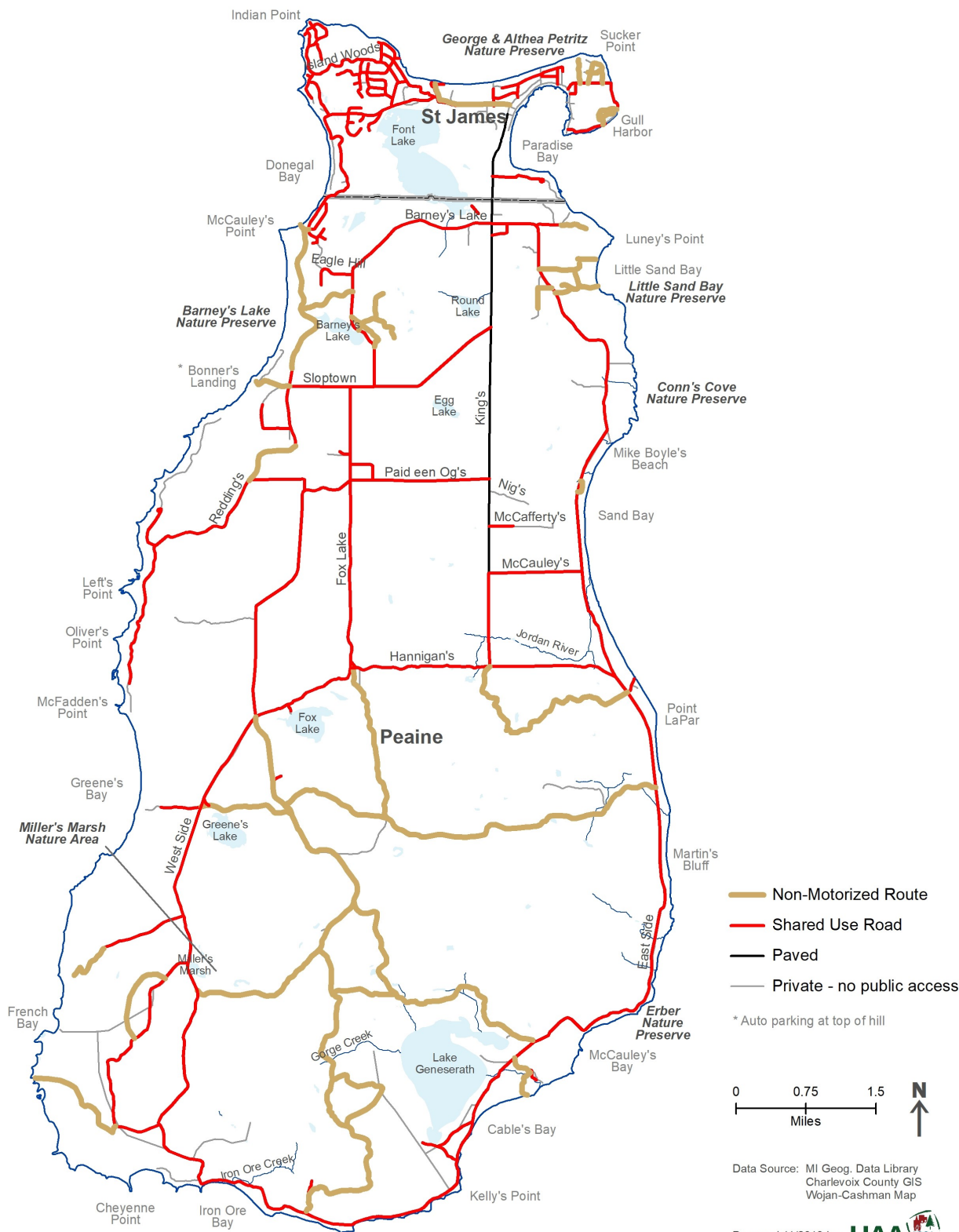
The criteria are as follows:

ADA Ranking System Rank Interpretation

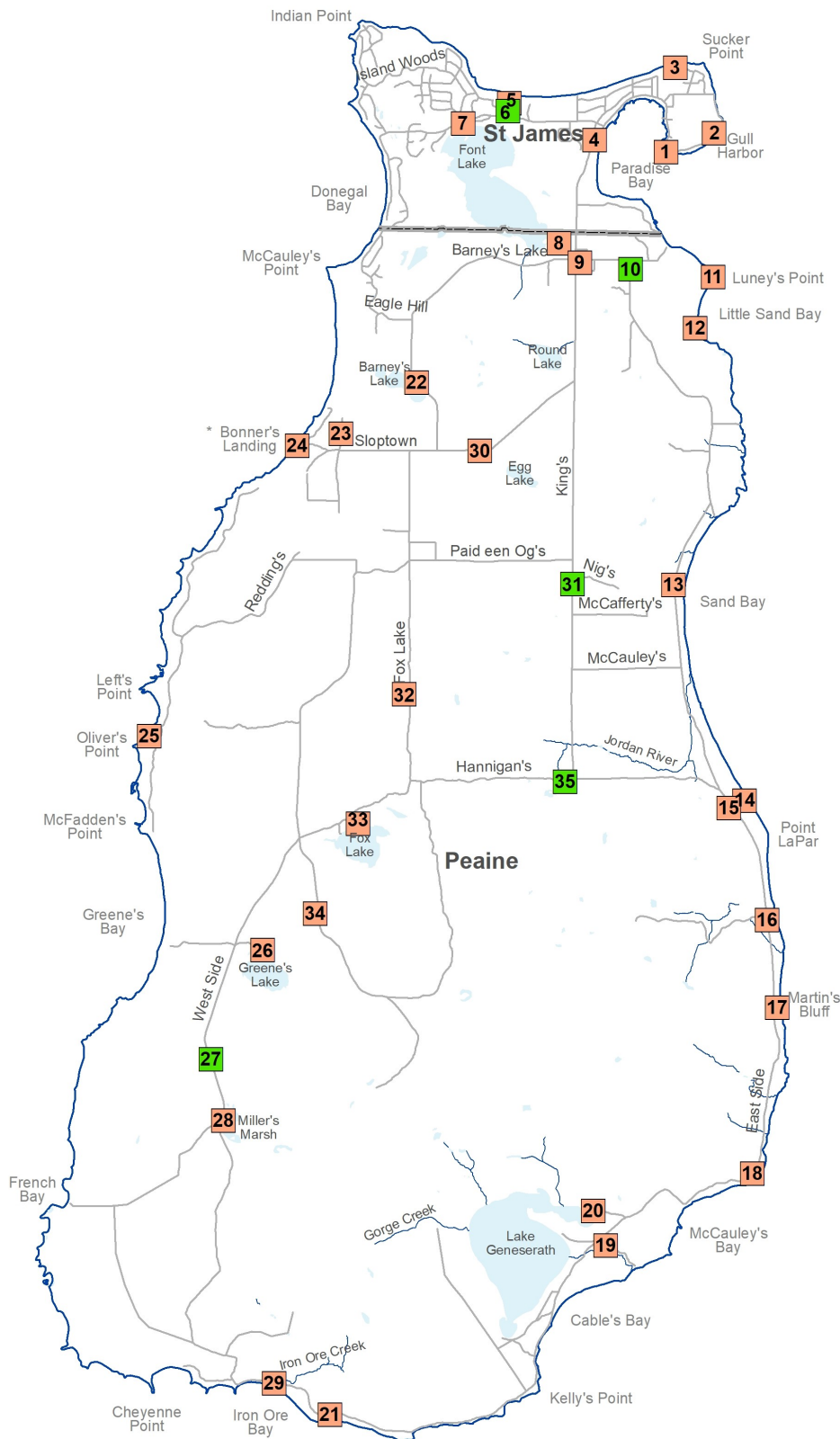
1. None of the facilities meet accessibility guidelines.
2. Some of the facility/park meets accessibility guidelines.
3. Most of the facility/parks meets accessibility guidelines.
4. All the facility/park meets accessibility guidelines.
5. The entire park was developed/renovated using the principals of universal design

Public Facility	Asset Type	Rating
Peaine Township Hall	Municipal Building	2
Peaine Township Park & Font Lake Access	Park/Access	2
Bill Wagner Campground	Park	2
Beaver Head Lighthouse	Natural Resource Area	1
CMU Biological Station	Private Facility/Trail	2
Kuebler Trail	Trail	2
McCauley's Point	Beach	2
Barney's Lake Nature Preserve	Nature Preserve/Trail/Access	2
Bonner's Bluff State Beach (Bonner's Landing)	Beach	2
Miller's Marsh	Nature Preserve/Trail/Park	2
French Bay Road & French Bay North & South	Trail	2
Greene's Lake Public Access	Access	2
Fox Lake Public Access & Boat Launch	Access/Park	2
McFadden's Point	Dune	2
Oliver's Point	Trail/Access	2
Little Sand Bay	Access	2
Martin's Bluff	Trail/Access	2
Lake Geneserath Public Access	Trail/Access	2
Cable Creek Trail & Cable Bay Beach	Trail/Access/Park	2
Iron Ore Bay Public Beach Access	Beach/Park	2

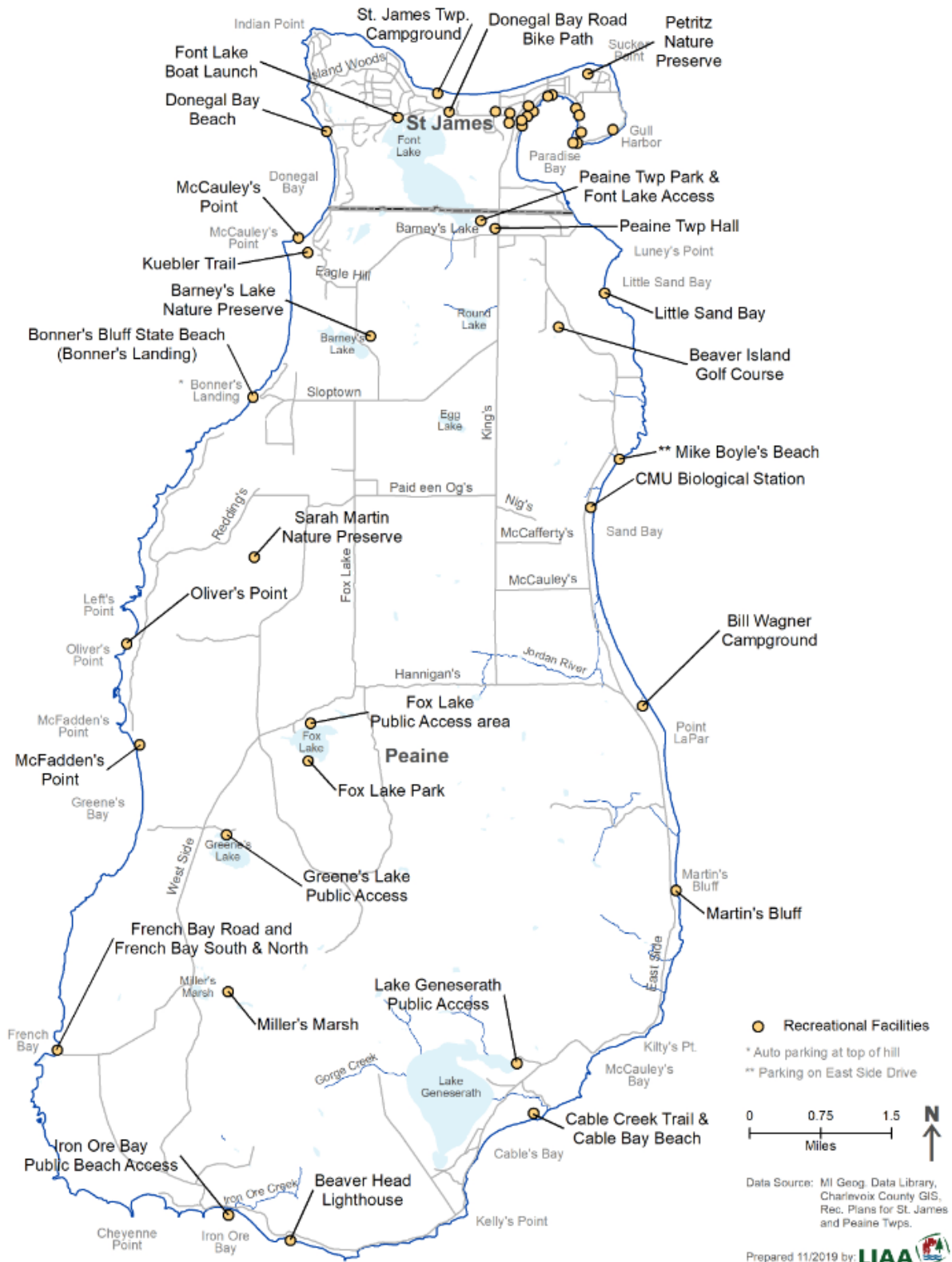
Map 1: Non-Motorized Circulation



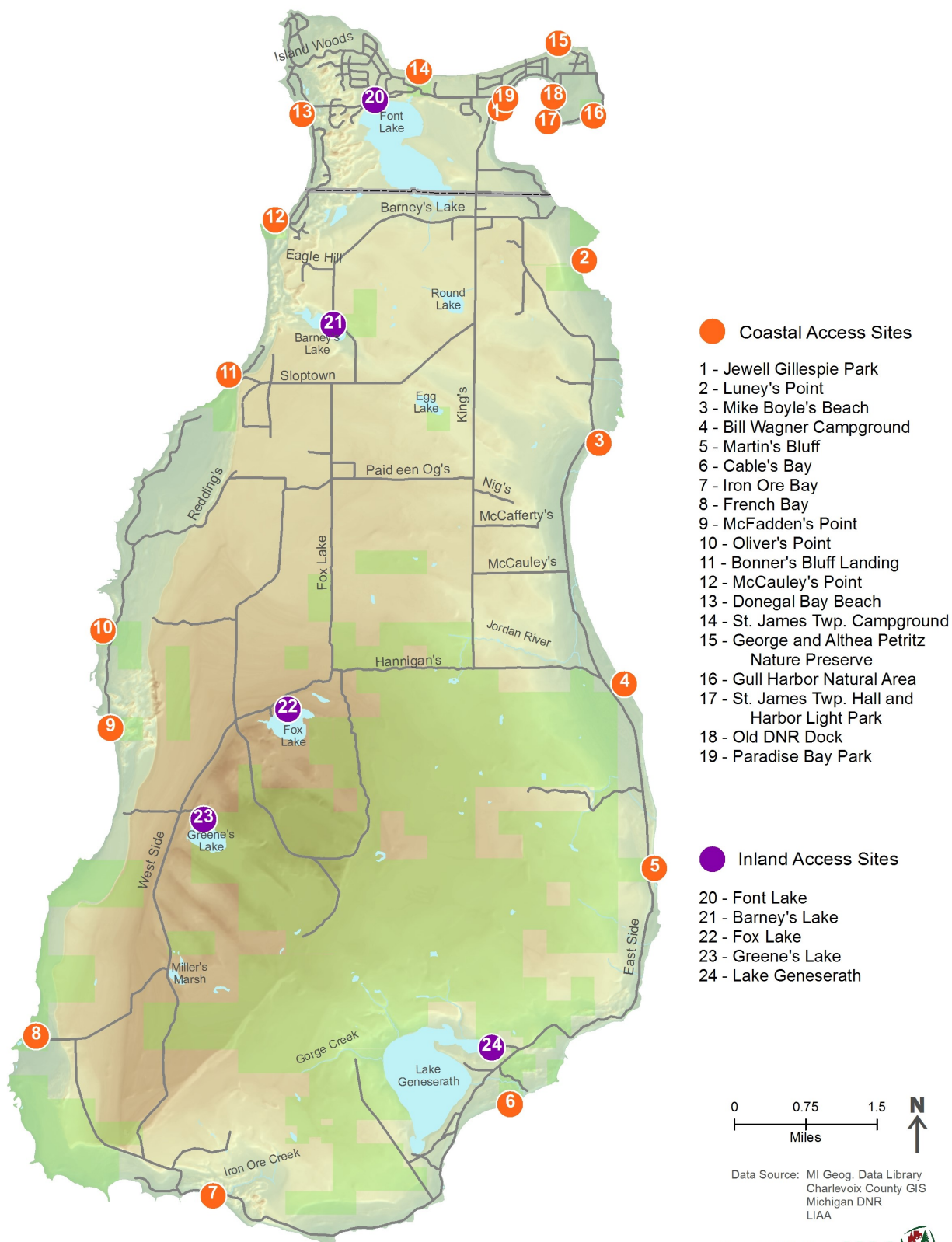
Map 2: Birding Trails



Map 3: Recreational Facilities



Map 4: Water Trail Access Sites



4. ASSESSMENT OF PARKS AND CAMPGROUNDS

Officials from Peaine Township assessed the current conditions of public access sites and noted improvements that have already been or should be made to increase the function and aesthetic appeal of these sites for public use. It was noted at the public hearing that some of these initiatives would require land acquisition efforts by the Township or an associated entity.

General Comments for All Sites:

- Signage with a consistent theme placed at all access points. This new signage should replace much of the current signage.
- All sites with fishing access should be provided with receptacles to dispose of spent fishing lines, lures and bait.
- Trash receptacles consistent in theme with St. James and cleaner in appearance. Consider adding recycling receptacles.
- Addition of BBQ cook sites.
- Work with the DNR to utilize DNR specs for needed docks.
- Wheelchair/handicapped accessible outhouses.
- Research possible land acquisitions that would promote the implementation of items in this plan.
- Boat racks and permitting for storage. Explore the feasibility of doing this on DNR and other public entity-managed sites.
- Interpretive signage to encourage appreciation and appropriate use of recreation area.
- The addition of bicycle racks.



Photo: LIAA

Features to Improve Compliance at Sites:

- Provide educational information for all recreational sites including permitted activities, prohibited activities, emergency contact information, ORV regulations and private/public property demarcations.
- For the previous bullet point, implement additional signage and brochures at sites and at points of entry to better circulate enforcement information.
- Consider placing trail cameras near sensitive areas to enhance enforcement efforts.
- Work with the Beaver Island Chamber to circulate information on permitted and prohibited activities at particular locations.
- Develop a visitor information center to distribute information regarding permitted and prohibited uses on the island.
- Work with Northern Island publisher on informational articles about permitted and prohibited activities.
- Improve communication with law enforcement, emergency services and Township leadership (i.e., regular reporting of incidents to Township boards).

Fox Lake:

- Outhouse has been paced off to indicate adjacent property line.
- New signs have been installed for boat washing.
- Signage to indicate water trail park access (GPS coordinates) for boat launch. Picnic table or seating at the site.
- Develop universal access amenities to the lake.
- Consider enhancing the 20 acres and 2,000' (Lot 11) on Fox Lake and adding signage to deter camping and fires.
- Collaborate with the DNR to designate Fox Lake as a no wake lake.
- Add trash receptacles to encourage good stewardship.
- Identify opportunities to improve parking.
- Research limitations and opportunities associated with the access site's size (66' easement).
- Add signage regarding prohibited activities (fires, camping) and permitted uses (picnicking, birding).

Green's Lake:

- Seating area (chairs/benches). Picnic table with cooking available.
- Boat washing sign.
- Fire and glass sign.

Iron Ore Bay:

- Determine a location for a platform large enough to accommodate folding chairs, accessible ramp for viewing and stargazing — a possible location is to the left of the creek just cresting the higher bluff.
- Installation of emergency call box.
- Add picnic tables (2).
- Possible bridge over the creek bed. Structure designed in sections for storage in the winter. Consideration for how the creek changes from year to year.
- Collaborate with St. James joint ownership.
- Better maintenance of outhouses.



Photo: LIAA



Photo: LIAA

Wagner Campground:

- Installation of emergency call box at the juncture where the old lines still exist (by the pump).
- Create a fire ring in the circle round, which is free of potential tree canopy hazard that is near most of the campsites.
- Remove old sign posts at the entrance.
- Consider placing informative sign about Bill Wagner.
- Well and shower facilities.
- Clean up debris along the south and west exposure to the existing pavilion site.
- Removal of all fallen trees.
- Directional signs to the landing site.
- Addition of a pickleball court.
- Addition of a badminton court.
- Landscaping and maintenance of the park area in general.
- Outhouses in the park area.

Font Lake Park:

- King's Highway signage showing park access.
- Addition of another pavilion with picnic table.
- Cook stoves at each pavilion.
- Possible addition of more picnic tables toward the landing site on Font Lake.
- Directional sign to boardwalk (not a landing site).
- Work to control blight or build an 8' fence to limit sight of blight.
- Develop bocce ball courts, restrooms and a washroom.

5. DESCRIPTION OF PLANNING AND PUBLIC INPUT PROCESS

A. Appointment of Committee

This recreation plan was developed through a set of planning and public input processes. The processes in Peaine Township began in March 2019 with a community forum attended by a broad range of Beaver Island residents including public officials; business owners; retirees; members of the planning commission, zoning board of appeals and the Beaver Island Association; volunteers; representatives of non-profit organizations; the press; and others. This forum was moderated by Kirk Welter. This initial meeting included a thorough review of the previous Recreation Plan. This meeting was publicized in a variety of places including the Beaver Island Forum, Beaver Island News on the Net, public postings and the Township website. A second follow-up meeting took place in May, 2019. The purpose of this second meeting was to review and refine the preliminary vision and goals that were created during the first input session.

Information from past planning efforts and recent community input helped to form the goals and objectives outlined later in this plan. For example, the committee reviewed survey data from the 2017 Beaver Island Master Plan update process. Many of the ideas supported in the survey related to recreation, including but not limited to developing a water trail and expanding the birding trail, improving campgrounds and increasing the quality of fishing. In addition, 54 out of 78 respondents answered that the Township “must do” or “should do” for the comment, “Look for ways to accommodate bicyclists through separate paths, bike lanes, and signs where appropriate.” The survey also found that every idea for tourism that related to recreation received at least a “should do” majority vote. The results of this survey can be found in Appendix B.



Photo: LIAA

B. Development of Inventory of Recreational Assets in the Township

Local officials spent a considerable amount of time reviewing the existing inventory listed in the previous Recreation Plan. These lists have been updated and are included on pages 13-17 of this document.

C. Review of Recent Recreation Plans in Relevant Jurisdictions

The following documents were reviewed during this process:

- Peaine Township Recreation Plan (2013-2018)
- Beaver Island Master Plan (June 2017)
- Beaver Island Asset Summary (2016)
- St. James Township Parks and Recreation Plan (2018-2023)
- Charlevoix County Recreation Plan (2015-2019)
- Beaver Island Water Trail Plan (2018)

D. A One-Month Public Review and Comment Period

Before a recommended plan was submitted to the Peaine Township board for adoption, a 30-day public comment period was held. Information regarding the comment period was reviewed at a public hearing on September 17, 2019, held by the Peaine Township Planning Commission. A published hearing notice was made available for viewing to residents and all local units of government included in the plan. Following the public comment period, all of the received feedback was aggregated, analyzed and integrated into the final plan.

6. GOALS AND OBJECTIVES

Setting goals for the recreation plan takes into account three factors in addition to the current preferences of Peaine Township residents, organizations and businesses:

- What has been the Township's traditional interest in recreation?
- What are the Township's financial resources?
- Given the environmental and community interdependencies of St. James and Peaine townships, which recreational priorities can be pursued solo and which require municipal collaboration?

The Township's Traditional Interest in Recreation

The 2013-2018 Peaine Township Recreation Plan identified three overarching goals to promote and enhance recreation opportunities for island residents and visitors. These goals were reviewed by officials and the public during this plan's input process and were largely expanded upon for the 2019-2024 plan.

Goals:

1. Maintain and restore condition of natural resources and ecosystems that contribute to recreation and quality of life on Beaver Island.
2. Increase recreational opportunities, especially for youth, those with disabilities and elderly residents of Beaver Island.
3. Increase the recreational assets/services of Beaver Island for attracting tourists, seasonal residents and new full-time residents.

Because of the Township's limited government funding, recreation development on the island often occurs through community (rather than just government) efforts, and often with funding attracted from the state or federal governments, conservation-minded nonprofit organizations, or individual donors. Sometimes the Township provides local matching funds, but rarely provides all of the funding for a project. With the current stagnation of property values — the main source of Township government funds — and its likely continued stagnation into the foreseeable future, the strain on government resources is increasing. As a result, most recreation priorities will have to be funded the way they have been in the past, without substantial contributions from the Township. This also puts an emphasis on making sure that, even if the capital costs of a project can be covered, the operating costs are also calculated and feasible.

Municipal Collaboration

Peaine Township is only a part of Beaver Island. Because of its small size and distance from the mainland, the island's system of natural resources is highly integrated and management decisions affect the entire island. On some recreation matters it may not make sense for the Township to act on its own when

collaboration with St. James Township (and the Michigan Department of Natural Resources, which manages the third of the island's land that is owned by the state) would make more sense. Peaine has tremendous opportunity for trails, land preservation, waterfront access and preservation of the character of Beaver Island.

A strong indication of the Townships' interdependence when it comes to the island's natural resources is grounded in the Beaver Island Natural Resources and Ecotourism Steering Committee (NRESC). Created in 2011, the NRESC is an advisory body appointed by both Townships with at-large community membership and representatives from the Native American tribes, the School, the Historical Society, the Chamber, the two townships, the two township Planning Commissions, the DNR, the Wildlife Club and Central Michigan University. The resolution that established the NRESC specifically authorizes the group to undertake several activities relevant to recreation planning, including:

- “Develop a plan for promoting the island as a unique opportunity for an ecotourism experience.”
- “Advocate for preservation of areas where our natural resources should be preserved to enhance our ecotourism opportunities and to maintain the unique beauty of Beaver Island.”
- “Identify areas for expanded and/or improved trails for nature walks. Propose improvements which would enhance the experience in those areas, such as boardwalks, benches, viewing areas, picnic tables, maps, signage, trail markers, brochures and other such improvements.”
- “Identify bird-watching opportunities on the island and locations where improvements such as viewing stations and viewing equipment could be located. Create and distribute informational brochures.”



Photo: LIAA

- “Identify potential forest trails where forest land could be preserved, and identify old-growth access sites.”

These collaborative efforts continue today with the development of the island-wide birding trail, water trail and other eco-tourism initiatives. In addition to the NRESC, Beaver Island more recently worked with the Michigan Department of Natural Resources to create the Northern Lake Michigan Islands Collaborative. This organization consists of a network of stakeholders and other interested parties that engage in discussions regarding ways to manage state-owned land in the archipelago in an effective manner. This collaborative was created as a result of the DNR's 2016 *Management Plan for State-owned Lands on Northern Lake Michigan Islands*.

Through the community input process and review of past planning efforts, the following goals and objectives were created to help guide the prioritization and implementation of recreation projects in Peaine Township.

Goal One.

Maintain and improve the condition of the island's natural and cultural resources and ecosystems that both support recreation opportunities and contribute to the island's quality-of-life.

Objective A.

Address invasive plant and animal species that threaten natural resources and property values.

Action Program

1. Prevent the introduction of invasive species to the island and control the spread of invasive species through best practices and techniques.
2. Educate property owners and visitors on identification of invasive species and coordinate management across property lines.
3. Evaluate all recreational areas and activities to prevent and control invasive species.
4. Seek funding through foundations, state and federal grants, or cost sharing.



Objective B.

Continue to support the restoration and long-term preservation of key natural and cultural areas in the Beaver Island archipelago.

Action Program

1. Continue to support St. James Twp. in its efforts to clean up trash on Garden and High islands.
2. Include language on interpretive signage that addresses the "carry-in-carry-out" ethos.
3. Support the Little Traverse Bay Band, Beaver Island Historical Society, AMICK Society and other ongoing preservation efforts.



Photos: LIAA

4. Add interpretive signage to enhance the public's understanding of sensitive cultural and recreational areas.

Objective C.

Continue to make improvements to key recreation sites.

Action Program

1. Stabilize the bluff at Martin's Bluff by providing a stairway to the beach. At present, there is a rope ladder that, when used, causes further erosion and destabilization of the bluff.
2. Protect the beach from erosion at Bill Wagner Campground by placing a fence between the campground and the beginning of the beach dune, providing access in only a couple of places to avoid the trampling of beach grasses. Also include signage with information about the dune ecosystem and sensitivity.
3. Provide a single designated fire ring on the beach below Bill Wagner Campground, as the only place where fires are allowed on the beach.
4. Install new fire rings at the Bill Wagner Campground that are not moveable to avoid the current condition where fires are built under trees.
5. Work with the Island Wildlife club to enhance fishing docks at Fox Lake and fishing docks and campsites at Lake Geneserath.
6. Work with Charlevoix County to continue improvements to Beaver Head Lighthouse and the surrounding park area.



Photo: LIAA

Goal Two.

Increase recreational opportunities, especially for youth, those with disabilities and elderly residents of Beaver Island.

Objective A.

Improve the quality of year-round recreational assets that provide new opportunities for recreation and improve quality-of-life for Beaver Island residents.

Action Program

1. Develop more opportunities for winter sports.
2. Build an outdoor ice-skating rink in a central location.
3. Identify and groom certain trails for cross-country skiing, snowshoeing and fat-tire biking during the winter months.
4. Identify and maintain certain trails exclusively for snowmobiles.
5. Develop a fitness and recreation center for the island that includes unique features such as a pool, running track, climbing wall, etc.
6. Work with the Beaver Island Historical Society to develop additional natural and historical signage throughout the island.
7. Improve access and recreation opportunities on island lakes and beaches.
8. Continue to support St. James Twp. in its efforts to develop a public boat launch at St. James Harbor.
9. Continue to support St. James Twp. in its efforts to work with the Wildlife Club, the USFWS and the DNR to increase healthy habitat for fish in St. James Harbor.
10. Continue to support traditional outdoor sporting activities such as fishing and hunting.
11. Continue to support efforts of the Northern Lake Michigan Island Collaborative around decisions related to ecological management.
12. Continue to contribute financially to the Community Center, as it houses many recreational activities in the winter months.



Photo: LIAA

13. Develop a new shelter with a fire pit in the park area behind the Township Hall.
14. Explore the possibility of hiring a full-time recreation administrator and grant writer who also focuses on natural and cultural resources.
15. Develop an island-wide sign assessment and development plan that addresses signage aesthetics, consistency and readability.
16. Follow through on commitments to fund and make improvements to parks resources.
17. Build public canoe/kayak storage racks at all inland lakes. Collaborate with the DNR or other managing entities on feasibility.

18. Prioritize acquisition of property to support access to inland lakes for fishing and boating.
19. Increase parking access for paddlecraft and explore opportunity for a boat ramp at Iron Ore Park.
20. Develop a formal plan for boat launches around the island.
21. Continue to work with and support Charlevoix County, the Historical Society or other entities in their efforts to restore and develop the lighthouse area as a park with trails.
22. Consider new ways to better collaborate with St. James Twp. on recreational and natural and cultural resource initiatives and projects, including the creation of a Recreational Authority.
23. Work to establish a separated bike trail on King's Highway.

Objective B.

Improve access to recreational opportunities for residents and visitors with special needs.

Action Program

1. Provide access for wheelchairs at the Iron Ore Creek by maintaining an all-terrain beach mat to the water's edge.
2. Support efforts in St. James Twp. to get the St. James Public Marina certified as handicapped friendly.
3. Obtain adaptive recreation equipment for use by the school, residents and visitors, including all-terrain wheelchairs for beach access or a "duet" bicycle, which is a wheelchair tandem bike.
4. Explore opportunities for accessible kayak launches at inland lakes.



Photo: LIAA

Goal Three.

Increase the number of recreational assets/services of Beaver Island and the archipelago that attract tourists, seasonal residents and new full-time residents.

Objective A.

Maintain existing trails and expand/connect island-wide hiking and biking trails systems around the island.

Action Program

1. Develop a comprehensive non-motorized trails master plan for the island.
2. Continue to work with the DNR to develop a water trail around the island with proper support amenities, including primitive camping stops, a boat launch at Bill Wagner Campground and an access site on the west side of the island suitable for quick emergency response.
3. Work with the DNR to finish the bridges on the Seven Bridges Trail.

Objective B.

Explore trail and recreational opportunities that are unique to the island and will attract tourists.

Action Program

1. Develop a plan to create a world-class mountain bike trail system on the island.
2. Develop a guide to shipwrecks around the island.
3. Promote diving within the Beaver Island archipelago.
4. Investigate the possibility of securing a marine sanctuary designation.
5. Continue to promote the island as a destination for both serious birding and casual bird watching.



Photo: LIAA

6. Establish an online reservation system for the Bill Wagner Campground.
7. Develop brochures and online maps of the island's historical sites and recreational assets.
8. Develop signage that addresses safety, 911 service, emergency call systems and the limitations of cell-phone service.
9. Expand the current transportation system to include connections to all recreational facilities all year round.
10. Develop a formal boat ramp at Bill Wagner Campground.
11. Establish small access sites with benches at scenic locations around the island.
12. Develop a central guide for all of the island's recreational components for citizens and visitors.

Objective C.

Utilize the "dark skies" around Beaver Island for recreation and tourism.

Action Program

1. Secure a dark-sky designation.
2. Continue to develop and employ strategies that support the dark-sky concept, such as a lighting ordinance.
3. Take steps to provide additional resources in support of the dark-sky designation.

Potential Funding for Projects

Stated previously, recreation projects in Peaine Township tend to come together through the collaboration and funding of multiple partners, often without utilizing the limited resources of Peaine Township. For each of the projects in this plan, potential multiple sources of funding have been identified below:

Table 19 Potential Funding Sources
Donors
St. James and Peaine Townships
Beaver Island Association
Grants from non-profit environmental organizations
Beaver Island Community School
Revenue from membership fees
Volunteer labor
Grants from the DNR Trust Fund
Beaver Island Historical Society
Chamber of Commerce
Charlevoix County
Natural Resources Commission grant
Natural Resources/Eco-tourism Steering Committee
Eco-tourism businesses
Beaver Island Wildlife Club

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Appendices

Appendix A: Resolution of the Peaine Township Board

Peaine Township Resolution #

Resolution to Adopt 5-year Parks and Recreation Plan

At the regular meeting of the Peaine Township Board, Charlevoix County, Michigan, December 9, 2019:

PRESENT: Hohls, Hubic, C. Martin, Welke, E. Martin

ABSENT: None

The follow resolution was made by Hohls and seconded by Welke

WHEREAS, Peaine Township has undertaken a planning process to determine the recreation and natural resource conservation needs and desires of its residents during a five-year period covering the years 2019 through 2024, and

WHEREAS, Peaine Township began the process of developing a (community recreation and natural resource conservation plan in accordance with the most recent guidelines developed by the Department of Natural Resources and made available to local communities, and

WHEREAS, residents of Peaine Township were provided with a well-advertised opportunity during the development of the draft plan to express opinions, ask questions, and discuss all aspects of the recreation and natural resource conservation plan, and

WHEREAS, the public was given a well-advertised opportunity and reasonable accommodations to review the final draft of plan for a period of at least 30 days, and

WHEREAS, a public hearing was held on September 17, 2019 at Peaine Township Hall, 36825 Kings Highway, Beaver Island MI 49782, to provide an opportunity for all residents of the planning area to express opinions, ask questions, and discuss all aspects of the Parks and Recreation Plan, and

WHEREAS, Peaine Township has developed the plan as a guideline for improving recreation and enhancing natural resource conservation for the township, and

WHEREAS, after the public hearing, the Peaine Township Board of Trustees voted to adopt said Parks and Recreation Plan:

NOW, THEREFORE BE IT RESOLVED the Board of Trustees of Peaine Township, by roll call vote, hereby adopts the Parks and Recreation Plan.

Yeas: 5 Nays: 0 Absent: 0

Trustees: Welke (yes), Hubic (yes), Hohls (yes), C. Martin (yes), E. Martin (yes)

I, the undersigned, the clerk of the Township of Peaine, do hereby certify that the foregoing is a true and original copy of certain proceedings taken by said municipality at its regular meeting of the Peaine Township Board, Charlevoix County, Michigan, December 9, 2019 relative to the adoption of the resolution therein set forth; that said meeting was given pursuant to and in full compliance with the Open Meetings Act, being Act 267, Public Acts of Michigan, 1976, and that the minutes of said meeting were kept and will be or have been made available as required by said Act.

Dated: 12-9-19 Signed: [Signature]

Carla Martin, Township Clerk

Appendix B: Survey Results from 2016 Beaver Island Master Plan Update

Ideas for Economy & Recreation						
<i>*Note: Red indicates a duplicate row</i>						
Ideas for Paradise Bay						
	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Improve the boat docks to be more flexible to changes in water levels.	68	13	35	15	5	
b) Build a new public boat ramp/launch.	67	14	24	16	13	
c) Build a new fishing pier.	72	9	33	23	7	
d) Designate areas for public parking for boaters.	74	13	41	12	8	
e) Clearly mark, with signs, the waterfront areas for public use and boat launching.	79	19	38	10	12	
f) Create conceptual designs for downtown and the harbor that show what future improvements might look like.	71	17	25	19	10	
g) Welcome visitors with a gateway or attractive art installation.	75	16	23	33	3	
h) Provide directional signs or a kiosk to welcome tourists that arrive downtown and at various beaches and throughout the island.	85	26	18	21	20	
i) Make the Harbor area even more "charming" with holiday street lights, landscaping, and beautification projects.	77	12	27	26	12	
j) Update the downtown public restrooms.	81	24	29	14	14	
Ideas for Marketing						
	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Undergo a branding process to develop a slogan and logo for the island.	69	20	23	21	5	
b) Comprehensively market the island's year-round opportunities.	77	25	25	8	19	
c) Market hunting and fishing on the island.	69	17	22	21	9	
d) Market the island toward those looking to live "off the grid".	67	9	23	30	5	
e) Market the island toward middle-aged couples / empty nesters.	68	13	29	16	10	
f) Market the island toward outdoor sports enthusiasts.	74	28	25	7	14	
g) Market the island to professionals who could work remotely via the internet.	78	28	20	9	21	
h) Market opportunities to host corporate retreats and professional conferences.	75	21	23	17	14	
i) Create an island office or kiosk in a prominent area of Charlevoix's main street to better promote Beaver Island.	71	20	18	18	15	
j) Promote Beaver Island as a great place for families to live.	75	20	21	11	23	
Ideas for Tourism						
	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Construct showers and improve restrooms at the Township campgrounds.	75	22	35	11	7	
b) Develop a Water Trail around the island with access points and safe refuges for kayakers and paddlers.	74	25	25	5	19	
c) Support the expansion of the Beaver Island Birding Trail, especially in the shoulder seasons of spring and winter.	71	25	27	10	9	
d) Construct docks on the inland lakes.	68	12	27	24	5	
e) Increase access to and quality of fishing.	65	14	31	15	5	
f) Increase the capacity for tourism by encouraging new hotels/accommodations.	63	15	19	17	12	
g) Focus on improving tourism experiences in the "shoulder" seasons of fall and spring.	71	19	27	5	20	
h) Assess the quality of visitor experiences through surveys conducted on the boats, planes, and at the Community Center.	67	20	25	9	13	
i) Increase night/life on the island with events and later hours for businesses and food.	64	18	21	21	4	
j) Provide rental options for winter sporting equipment.	66	20	31	11	4	
k) Create winter festivals and events.	67	26	25	14	2	
l) Create more universally accessible areas for recreation at beaches, the marina, campgrounds, and in park areas.	63	17	29	12	5	

Appendix B: Survey Results from 2016 Beaver Island Master Plan Update

Ideas for Economy & Recreation (Continued)						
<i>*Note: Red indicates a duplicate row</i>						
Ideas for Nature-Based Economy						
a) Support sustainable commercial logging on Beaver Island.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Grow and export products such as juniper berries and hops.	68	8	28	29	3	
c) Market and sell agricultural products with a special "Beaver Island" brand.	67	7	42	11	7	
d) Regenerate cranberry bogs on the island for foraging or agricultural growth.	68	11	38	10	12	
e) Explore opportunities to manage habitat to improve the quality of the hunting experience.	67	12	41	10	4	
f) Program a family camp or summer camp with amenities for family camping.	63	8	25	18	14	
g) Allow downed or dead wood to be removed for use at homes or campsites.	64	14	26	11	13	
	67	23	25	10	9	
Ideas for Trails						
a) Fund a seasonal position to maintain trails.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Support land acquisition by the DNR and others to connect existing trails.	80	17	45	12	8	
c) Mark, map, and groom trails for their appropriate use (ORV, snowmobile, biking, walking, etc.).	78	20	34	12	12	
d) Clearly mark the seasonal conditions of trails on maps and tourist information.	84	29	30	8	17	
e) Create a separated bike path along King's Highway.	75	21	32	9	13	
f) Look for ways to accommodate bicyclists through separate paths, bike lanes, and signs where appropriate.	75	13	28	22	14	
	78	27	27	15	9	
Ideas for Business Growth						
a) Equip entrepreneurs with resources on creating and funding startups, writing business plans, and applying for grants.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Attract internet-based businesses to the island.	71	20	28	13	12	
	72	23	21	9	19	
c) Explore economic ventures that utilize the skilled labor on the island, such as the exporting of woodworking products, furniture, or other artisan products.	69	22	28	8	13	
d) Invest in a technical career center or cooperatively-owned "maker space" on the island with equipment, skill-sharing, and educational classes.	68	19	27	13	7	
e) Advertise apprenticeship opportunities on the island with plumbers, carpenters, electricians, and other trade jobs.	70	20	32	8	10	
f) Assess the quality of visitor experiences through surveys conducted on the boats, planes, and at the Community Center.	64	14	28	9	15	
g) Increase nightlife on the island with events and later hours for businesses and food.	64	15	20	23	6	
h) Provide rental options for winter sporting equipment.	67	19	35	9	4	
i) Host an annual workshop or training for those in the hospitality industry.	65	19	22	14	10	
j) Create winter festivals and events.	69	24	28	11	8	

Appendix B: Survey Results from 2016 Beaver Island Master Plan Update

Ideas for Natural and Cultural Resources						
Ideas for Water Quality						
Ideas	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Require additional inspections of septic systems of private property and the community septic system in St. James Township.	63	13	19	16	15	
b) Look for ways to improve existing requirements for a vegetative buffer on properties adjacent to lakes and streams.	60	20	17	13	10	
c) Widely share knowledge and data about the water quality of the Island's inland lakes.	63	26	15	6	16	
d) Regulate the amount of impervious surface permitted on waterfront lots (i.e., roads, buildings, driveways).	59	21	17	15	6	
Ideas for Habitat Protection						
Ideas	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Provide washing stations for boaters to clean crafts.	53	15	20	12	6	
b) Survey the archipelago's plant and animal species.	57	12	26	10	9	
c) Protect dunes and beaches with educational signs at public access points.	60	24	18	9	9	
d) Enforce dark sky protections to protect nocturnal habitat.	61	17	17	15	12	
e) Identify and fix culverts that are damaging fish migration and health.	59	26	18	7	8	
f) Protect tree canopy, especially near streams and rivers.	54	22	16	8	8	
g) Manage the marina and near-shore areas for additional fish habitat.	53	19	20	10	4	
h) Require that new developments are provided educational materials about how private property owners can protect native plants, animals, and preserve the environment on their land.	58	15	20	10	13	
Ideas for Resource Management						
Ideas	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Provide affordable options for removing junk cars and large debris.	63	21	20	1	21	
b) Enforce code violations for blight removal and strengthen code requirements.	64	29	8	8	19	
c) Protect tree canopy near the Island's Forest Roads.	60	24	18	8	10	
d) Protect air quality through increased dust control.	55	20	24	4	7	
e) Enforce noise ordinances for fireworks, ORV use, and other loud disturbances.	55	13	17	11	14	
f) Remove beech trees killed by Beech Bark Disease before damage to homes and other trees can occur.	56	13	26	12	5	
g) Evaluate coastal setbacks and erosion rates to determine where new buildings should be set farther back from the water.	59	17	16	12	14	
Ideas for Climate Adaptation						
Ideas	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
a) Stock native fish in inland lakes that are more tolerant to warm water as lakes continue to warm.	57	9	32	14	2	
b) Work with DNR to fund forest adaptation projects, focused on trees most at risk of disease or decline due to climate change.	58	20	20	10	8	
c) Continue to map the locations of invasive species with an understanding of areas more at risk to future infestation.	62	22	19	5	16	
d) Coordinate with the Beaver Island Community School to incorporate environmental education.	63	23	22	6	12	
e) Work with DNR to assess wildfire risk and identify actions to reduce the risk.	63	17	25	7	14	
f) Secure cultural easements for ceremonies in sacred spaces. A cultural easement is a voluntary legal agreement that preserve cultural or historically significant sites on privately owned land.	56	14	25	11	6	
g) Review the state-documented cultural resources on the Island and add to them as needed.	61	14	33	11	3	
h) Protect cultural assets through conservation easements (not for public access).	52	13	16	20	3	
i) Inventory historic structures in disrepair and identify priorities for reuse and preservation.	62	22	23	7	10	
j) Protect and preserve the lighthouse at the south end of the Island.	63	24	10	0	29	
k) Honor the Island's use by Native Americans and other groups through interpretative, bilingual signage along paths and trails.	56	15	20	16	5	
l) Develop a management plan for the Island's cultural resources.	58	15	17	11	15	

Appendix B: Survey Results from 2016 Beaver Island Master Plan Update

Ideas for Housing						
Ideas for Affordability						
a) Incentivize affordable monthly rentals for those looking to try out life on Beaver Island with little risk.	61	12	25	16	8	
b) Alleviate cost burdens on low-income households by subsidizing housing costs through energy efficiency and home repair programs.	64	19	26	15	4	
c) Lower the minimum building size through proactive zoning to enable tiny-home development.	69	10	24	11	24	
d) Designate an area of land for micro-housing. Location should be near existing infrastructure and perhaps on lots unsuitable for traditional development.	63	10	23	19	11	
e) Consider development of a community land trust to ensure the long-term affordability of properties even as they sell.	49	8	19	21	1	
f) Maintain the quality and appearance of existing subsidized housing.	64	26	23	11	4	
g) Start an affordable housing committee endorsed and supported by the townships.	63	18	24	15	6	
Ideas for Seasonal Housing						
a) Explore cooperative models to maintain and care for rental properties designed for summer laborers.	56	14	27	11	4	
b) Research opportunities to house more summer labor on the Island.	60	13	27	9	11	
c) Encourage additional lodging and accommodations on the Island.	55	15	16	12	12	
Ideas for Energy Efficiency						
a) Encourage private property owners to retrofit homes with local programs.	53	16	20	12	5	
b) Allow and incentivize small-scale wind and solar on private property.	61	17	17	10	17	
c) Pilot clean-energy projects in public buildings.	57	20	18	7	12	

Appendix B: Survey Results from 2016 Beaver Island Master Plan Update

Ideas for Community Services						
Ideas for Transportation						
a) St. James and Peaine Townships should plan together for shared improvements to infrastructure.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Add bike racks to the County Transit vehicles.	67	23	16	3	25	
c) Explore alternative funding models for managing the Emerald Isle.	58	16	34	6	2	
d) Subsidize the cost of getting to and around Beaver Island through fare discounts, travel packages, or coupons.	56	19	21	9	7	
e) Improve knowledge of transportation modes for tourists by putting clear information in a kiosk downtown.	63	16	21	12	14	
f) Look for opportunities to make the Island more walkable and bikeable.	64	21	23	8	12	
g) Work with the Sheriff's office to protect lands that are inappropriate for ORV and snowmobile use.	66	28	15	7	16	
h) Obtain funding and modify the ferries to be able to run more frequently (daily or twice daily) through the spring and fall season.	69	16	25	12	16	
	60	13	22	18	7	
Ideas for Emergency Planning						
a) Reduce the number of flights impaired by bad weather through runway improvements at the public airport.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Ensure new development in hard-to-reach areas takes steps to reduce fire risk.	53	9	23	16	5	
c) Ensure Advanced Life Support services are available on the Island.	49	16	18	13	2	
d) Rehearse the Emergency Plan for Island evacuation and sheltering.	62	12	7	6	37	
e) Develop a new Disaster/Emergency Plan for the Island.	53	20	21	7	5	
f) Ensure EMS services remain on the Island.	55	21	22	7	5	
g) Improve communications infrastructure for EMS. This includes providing regular community updates and infield access.	62	19	7	5	31	
	55	19	16	6	14	
Ideas for Communications						
a) Use the Beaver Island Association's Broadband survey results to identify the community's needs and prioritize funding.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Offer educational forums on the importance of Broadband for local officials and institutions.	59	20	18	7	14	
c) Recruit a local grassroots group that is willing to work together to increase Broadband accessibility.	54	18	19	10	7	
d) Identify "case study" communities similar to the Island that have increased Broadband access.	56	18	18	5	15	
e) Explore fiber optic installation through rural economic development grants.	60	28	17	7	8	
f) Inform tourists of the areas on the Island that lack cellphone reception.	60	22	14	7	17	
g) Increase cell phone signal strength and extend coverage	54	15	21	12	6	
	66	17	8	5	36	
Ideas for Public Services						
a) Obtain new and replacement signage for Township roads.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
b) Explore options to improve the Transfer Station so as to process large metal items, like cars.	53	9	18	22	4	
c) Update the sign ordinances in each Township to be legally enforceable.	61	11	30	11	9	
d) Provide public trash and recycling cans in the Downtown area, especially near the boat dock.	55	10	25	19	1	
e) Continue to support extra-curricular programming at the Beaver Island Community School.	62	19	27	6	10	
	59	23	21	7	8	

Appendix B: Survey Results from 2016 Beaver Island Master Plan Update

Ideas for Social Services and Leadership						
Ideas for Leadership						
a) Consolidate surveys and current initiatives led by various groups in a common location, accessible to newcomers looking to volunteer their time or resources.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
	62	27	28	6	1	
b) Prioritize, instead of replicate, projects led by non-governmental groups on the Island. Do this in an inclusive manner, perhaps facilitated by an outside party.	61	32	19	9	1	
c) Provide education on grant writing, conflict resolution, and networking support for government and non-government leaders alike.	59	23	24	7	5	
d) Hire a full-time Island Manager, responsible for management of joint Township projects and pursuit of grant opportunities.	58	14	12	18	14	
e) Support the continued work of the Island Institute through the Office of the Great Lakes.	53	18	17	8	10	
f) Include representatives from all Township boards and commissions in the Northwest Michigan Island Collaborative.	34		21	10	3	
g) Consolidate the two Townships into one Township government.	67	10	8	13	36	
h) Require Township Boards and Commissions to write yearly reports published for community use.	59	29	9	7	14	
i) Review progress on the Master Plan's goals yearly and revisit/revise as needed.	66	32	14	5	15	
Ideas for Vulnerable Populations						
a) Increase awareness and support of the Beaver Island Food Pantry.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
	64	27	29	7	1	
b) Increase availability and funding of in-home senior care.	68	29	17	6	16	
c) Increase education about foraging opportunities on the Island.	58	14	25	17	2	
d) Identify the needs of vulnerable populations like the disabled, low-income, and elderly.	65	23	23	6	13	
e) Form a neighborhood "buddy network" to help ensure that care is provided to residents who may be isolated, especially in the winter months.	65	27	23	4	11	
Ideas for Family Support						
a) Provide childcare options, such as in-home daycare and after-school care.	Total Responses	Must Do	Should Do	Don't Do	Top Priority	
	61	15	35	9	2	
b) Provide pediatric services and women's services on the Island, such as monthly visits from providers.	65	20	34	5	6	
c) Provide regular programming for children and youth such as weekly dance classes or skill-based activities.	64	17	32	11	4	
d) Create programming to get residents active in sports and exercise, especially in the winter months.	66	16	33	9	8	
e) Invest in recreational equipment and/or a community gym.	62	14	26	11	11	
f) Affiliate the Rural Health Center with a mainland hospital.	59	22	7	5	25	

**Appendix C: First Public Meeting Notice of the Availability of the Draft
Plan for Public Review and Comment**

NOTICE

The Peaine Township Board and Planning Commission will hold a joint meeting along with Community Stakeholders to kick-off the review and development of the new Peaine Township Recreation Plan

**March 18, 2019
9:00 AM**

Peaine Township Hall

February 28, 2019

Krys Lyle
Peaine Township

Appendix D: First Public Meeting Agenda 1

Peaine Township Recreation Plan Meeting 3/18/19

09:00 - 09:10	Introductions / Schedule
09:10 - 09:20	1. Community Description ... review, assign for updating
09:20 - 09:30	2. Administrative Structure ... review, assign for updating
09:30 - 10:00	3. Recreation Assets/Resource Inventory ... run through for updates
10:00 - 10:15	4. Description of Planning and Public Input Process ... tweak
10:15 - 10:30	BREAK
10:30 - 10:40	5. Goals and Objectives ... review
10:40 - 10:50	5. Goals and Objectives ... develop new
10:50 - 11:05	6. Action Program ... review progress
11:05 - 11:20	6. Action Program ... brainstorm
11:20 - 11:40	6. Action Program ... develop new
11:40 - 11:50	Review open issues and assignments
Adjourn	

Appendix E: First Public Meeting Agenda 2

PEAINE TOWNSHIP
RECREATION PLAN KICK-OFF 2019
36825 King’s Highway
March 18, 2019
9:00 AM to 12:00 Noon

Call in Number: 415.464.6800 ID# 49782

AGENDA

9:00 AM	Introduction by Facilitator: Kirk Welter Housekeeping
9:15	Define Goals and Objectives
10:15	15 Minute Break
10:30	Refine Goals and Objectives
11:45	Next Steps and Wrap Up
12:00 PM	Adjournment

Thank you for your participation



**Appendix F: Second Public Meeting Notice of the Availability of the
Draft Plan for Public Review and Comment**

PEAINE TOWNSHIP RECREATION PLAN UPDATE

PUBLIC NOTICE

PEAINE TOWNSHIP RECREATION PLAN

The Peaine Township Board and Planning Commission will hold a second public meeting regarding the update to the Township's 5-year Recreation Plan, facilitated by Land Information Access Association (LIAA).

Peaine Township Hall

**Monday: May 20, 2019
4:30 PM**

The purpose of the meeting is to review the results of the March 18th public meeting, comment on preliminary recreational goals and objectives for the township and discuss additional recreational aspirations. If you have any questions or need accommodations, please contact Krys Lyle at krys@krystyle.com or 231-649-1625.

Krys Lyle.

Posted: May 7, 2019

Peaine Township Recreation Master Plan

Public Meeting
Monday – May 20th 2019
Peaine Township Hall
4:30 PM

Meeting Agenda

- I. Welcome and Introductions
- II. Review Results from First Public Meeting and Subsequent Comments
- III. Review Preliminary Goals and Actions
- IV. What Are We Missing? Brainstorming Activity
- V. Questions and Comments
- VI. Adjourn

Appendix H: Notice for the Public Meeting Held after the One Month Public Review Period and Before the Plan's Adoption by the Governing Body

NOTICE

PEAINE TOWNSHIP PUBLIC HEARING

Peaine Township Recreation Plan 2019-2024

The Peaine Township Planning Commission will conduct a Public Hearing on **Tuesday September 17, 2019 at 7:00 PM at the Peaine Township Hall**, located at 36825 Kings Highway on Beaver Island. The purpose of the hearing is to review the Peaine Township Recreation Plan for approval and publication by the Peaine Township Board. A draft of the plan may be reviewed at the following locations:

- **Beaver Island District Library:** Ask at the circulation desk to review the document. (231) 448-2701.
- **Peaine Township Hall:** 36825 Kings Highway, Beaver Island, MI 49782, on Thursday, during office hours with the Supervisor, Bill Kohls. Thursday 10:00 a.m. to 2:00 p.m.
- **Beaver Island Governmental Center:** Wednesday, during office hours with the Zoning Administrator, Rick Speck, Wednesday 10:00 AM to 2:00 PM or by appointment, (231) 448-2000.
- **Peaine Township Clerk:** By appointment. Carla Martin, (231) 448-3540. Office Hours: Monday 2:00 p.m. to 5:00 p.m.
- **Online and downloadable:**
<http://cms5.revize.com/revize/peainetownship/index.php>

You may attend the public hearing in person, or by representative, or forward comments in writing at least 48 hours prior to the hearing to Krys Lyle, Peaine Township Planning Commission Secretary, P.O. Box 54, Beaver Island, MI 49782, or email krys@kryslyle.com. If you would like to attend the public hearing and need special accommodations of any kind due to disability, please contact Krys Lyle in advance of the hearing at (231) 649-1625.

Prepared by Krys Lyle: Published in the Petoskey News Review: August 30, 2019

Appendix I: 30 Day Plan Review Notice

Peaine Township

Notice of Public Review

Proposed Township Parks and Recreation Plan

Notice is hereby given for the public review of the draft Parks and Recreation Plan for Peaine Township.

The purpose of the Public Review Period is to receive comments and suggestions on the draft five-year Parks and Recreation Plan (for years 2019-2024) regarding the townships' parks and recreation needs. The proposed Parks and Recreation Plan will serve as a guide in making decisions about recreation development for the Township.

A copy of the draft Recreation Plan is available for review and comment at the Peaine Township Hall and the Beaver Island District Library during regular business hours. You may link to the draft plan at:
http://www.peainetwp.org/news_detail_T6_R55.php

The comment period shall last for at least thirty day from the date of this notice.

You are invited and encouraged to send all public comments to:

Krys Lyle
231.649.1625
Peaine Township Planning Commission

Posted: August 7, 2019

Appendix J: Public Meeting Agenda

**Peaine Township Planning Commissions
PEAINE TOWNSHIP HALL
26184 King's Highway
Beaver Island, Michigan 49782**

AGENDA

**Tuesday, September 17, 2019
7:00 P.M.
Peaine Township Hall**

PUBLIC HEARING

- I. Call to Order**
- II. Public input for the Recreation Plan DRAFT 2019-2024**
- III. Adjournment (approx. 7:30 p.m.)**

Appendix K: Input Gathered During the 30 Day Review Period

Suggestion #1

Suggested changes for 2019 BI Rec Plan

P. 9, par. 1, line 7. Change “theis” to “this”

P. 12, #2. Change “birding trail” to “birding trails”

P. 12, #7. Change “morel mushrooms” to “morel, oyster and other edible mushrooms”

P. 15, Table 16. Add “500 acres” to size column box for CMU

P. 19, Map. At top, change “Map 2: Birding Trail” to “Map 2: Birding Trails”

P. 26, par. 1. Add “CMU” to list of participating NRESC members

P. 26, last par., line 1. Change “wit” to “with”

P. 26, last par., line 3. Change “initiative” to “initiatives”

All of these changes are now reflected in the Peaine Township Recreation Plan (Draft)

Suggestion #2

From: Cynthia Pryor <deputysupervisor.stjamestwp.bi@gmail.com>

Subject: Pickle Ball Construction Guide

Date: July 17, 2019 at 1:33:12 PM EDT

To: Krys Lyle <krys@krystyle.com>

Cc: deputysupervisor.stjames.bi@gmail.com

Hello Krys, idea for Peaine Recreation Plan and use of your Township Park - Pickle Ball Courts! There are two at the Township Tennis Courts - but there are 20-30 people who come for Pickle Ball and two courts are just not enough!

It would be very cool, if two courts were added to the Island mix of Pickle Ball play. Here is the guide for your information. Also thought a Bocce lawn court would be a great addition to the community.

Just an idea, but it sure would help promote the use of your Park,

Best,

Cynthia

Suggestion #3

Krys,

This is a great document. A few corrections.

page 3, 2nd column top of page: we are not a "scheduled" air service. That is an FAA term that does not apply and is

Appendix K: Input Gathered During the 30 Day Review Period

misleading. We are an on-demand charter service or air taxi.

page 4, 1st column: N. Fox Island. Does not have paved runway....grass runway

page 4 2nd column top of page: not "both township airports." Beaver Island Airport (KSJX) is a township / publicly owned airport. Welke (6Y8) is privately owned, open to the public. Zero public money or ownership.

page 11 1st paragraph under admin structure need an end)

page 18 - could the trails on the map have the names listed?

page 23 "Cook stoves at each" not and

same page Addition of a badminton not and

page 26 bottom of page with not wit

page 29 #9 increase.....is there more to this sentence?

That is all!

Thanks.

AML

Angela LeFevre-Welke

All of these changes are now reflected in the Peaine Township Recreation Plan (Draft)

Suggestion #4

Krys, are there plans for a good boat launch at Wagner Memorial Park? Also, a lot of people asking about a descent set up at Lake G and Fox Lake? Thanks!!

Suggestion #5

Thu 8/29/2019

Dear Krys,

Below are our thoughts based on the recent review of the Peaine Township Recreation Plan.

Page 15-#6 Keebler Trail (partly public/private)- *it is not public*-it runs through private property complete with deed restrictions and legal opinions about the use.

As stated in the plan, the Beaver Island Natural Resources and Ecotourism Steering Committee(NRESC) was developed to address a broad swath of interests using a collaborative model for the use and protection of island lands and interior lakes. The Northern Lake Michigan Islands Collaborative is an out growth of the NRESC to address use and assistance for state held lands administered by the Wildlife Division in the archipelago. The NRESC developed the *Recommendations for Natural Resource Management in the Beaver Archipelago* funded by

Appendix K: Input Gathered During the 30 Day Review Period

the Wildlife Division, produced a very successful Biking and Driving Guide, coordinated invasive species control, worked to secure the Fox Lake property with the Little Traverse Conservancy for the township, sponsored natural resource lectures, and resulted in the formation of the Beaver Island Birding Trail and Water Trail to name a few promotional activities. The NRESC was a very useful township advisory board in terms of project efficiency, coordination of diverse interests, and distribution of work. The current Park and Recreation does not have a committee and has never been formally adopted by the township board. This gap leaves Peaine Township's recreational potential at a disadvantage without input into promotion or assistance with development.

Priority areas to address with this updated recreational plan should include in our opinion:

*Build into every water and terrestrial recreational activity-a threat and management plan with the intent to control the introduction or spread of invasive species. Introduction of zebra or quagga mussels will destroy the interior lake fisheries-identify education and boat cleaning recommendations. Infestations of non-native forest insects will lead to loss of mast, timber, nesting sites, be hazardous to trail use, and degrade the forests. Terrestrial invasive species once widely spread will decrease recreational access, decrease property values, and degrade the ecology of the island.

*The Peaine Township board should consider adopting a resolution to develop and fund a committee or commission for the purpose of promoting, developing the appropriate use of the island's natural resources and the management of properties within the township boundaries. Examples of priority projects could include: re-developing the Iron Ore Bay Park to remove existing walkway that routes the public through a dune and a stream bed in order to access the beach. Check out CZM grants for dune walkways and interpretive signage. Each interior lake and campgrounds need review, recommendations, and improvements to enhance recreational experiences. More emphasis is needed on fisheries of interior lakes and less on the harbor area. Best practices for the interior lakes should be established with assistance from the MIDNR Fisheries Division to make the lakes no wake zones due to loon nesting, no use of lead sinkers, limit live bait (control live bait to prevent the spread of infectious fish diseases (viral hemorrhagic septicemia), unwanted fish species, and invasive species) and boat cleaning station identified. Page 32 has no mention of the Water Trail Plan-utilize the 140+ page water trail site plan to implement development and secure grant funding.

* Acknowledging that people invest and recreate on the island related to water resources and addressing any of the water recreational activities listed in this plan would be an improvement. The increased recreational pressure on the Lake Michigan shoreline and interior lakes requires addressing better access, amenities, and invasive species control. Peaine Township should look to develop their own water access and recreational opportunities with attention to identifying property acquisitions. Priority property acquisitions and site development should focus on improving recreational opportunities to interior lakes and Lake Michigan for all visitors and taxpayers. Addressing localized issues or concerns will mitigate the effects of public access.

*Pickle ball is a popular sport on Beaver island with all of the recreational activity occurring in St. James Township. Peaine Township's Font Lake Park could be developed but burning in adjacent lots needs to be halted. Utilize the Community Center in the winter to provide for senior activities such as game board days,

Appendix K: Input Gathered During the 30 Day Review Period

arthritis classes, and pickle ball. I see no mention of the Community Center in this plan which is a fabulous asset.

* Township goals should be reflective of the State of Michigan's 2017 island management objectives for their properties located within Peaine Township: *goals that call for effective management of the archipelago's natural resources, economic vitality and growth that results from effective management, and how education and outreach focused on unique natural, historical, and cultural resources can lead to greater appreciation and protection of those resources.*

Thank you for the opportunity to provide input into the Peaine Recreation Plan.

Respectfully submitted,

Pam and Brad Grassmick

30710 East Side Drive

Beaver Island, Michigan 49782

Suggestion #6

August 30, 2019

Krys...

Two items of additional feedback for the Sept. 17 meeting: First, Alana and I took a leisure drive with a copy of the "Assessment of Parks and Campgrounds: June 3, 2019" that you & Pam compiled to see if we observed anything more. At Wagner Campground the fire rings appear to be in place now, and the lifeguard sign at the beach edge is coming apart and falling down. At Font Lake Park, item 5 "clean up debris along south and west exposure" should be south and EAST..(Ron Wojan property boats, trailers, vehicles, etc.) Items 8 & 9 "addition of pickleball & badminton courts", the courts are actually the same size, just different nets are used. Also, adding bocce court(s) would be a nice addition. Item 11, "outhouses in the park area" isn't clear...there are outhouses in the southwest corner...? Otherwise, in total agreement with the content and suggested improvements. Second, regarding the recommended pickleball courts at Font Lake Park, a letter has been drafted on behalf of the over four dozen players this season in support of the proposal, with a list of the players. As soon as it is finalized I'll get it to you (original is addressed to the Board of Trustees). Thanks for your efforts on getting this done!

Bob & Alana Anderson

Suggestion #7

From: Lori Taylor-Blitz <bihistory.director@gmail.com>

Subject: Peaine Township Recreation 5-year plan feedback

Date: August 30, 2019 at 3:03:21 PM EDT

To: Krys Lyle <krys@krystyle.com>

Appendix K: Input Gathered During the 30 Day Review Period

Peaine Township Recreation 5-year plan

Thank you for allowing our input on the 5-year plan of the Peaine Township recreation. After reviewing the document, we noticed a couple of facilities or locations that would be beneficial to have included in your document.

Page 12 has a list of items that are not included in the various tables, we would suggest that the following be listed

- o Protar Home Site (Peaine Twp.)
- o Protar Tomb (Peaine Twp.)
- o Engineer Chase's memorial site (Peaine Twp.)
- o Peter Doney Home Site at Little Sand Bay (Peaine Twp.)
- o Dark Sky official designation at Little Sand Bay (Peaine Twp.)
- o Whiskey Point Lighthouse Tower (St. James Twp.)
- o Historical Society 17 stop Walking tour in downtown (St. James Twp.)
 - o Historical Society Phase 2 Walking/Bike Tour in Peaine Twp. (Future development within 5 yrs)

Some of the above may fit better within your tables.

--

Best,

Lori Taylor-Blitz

BIHS Executive Director

Suggestion #8

I hope this will help the pickle ball court cause. Please forward to the Township.

To the Supervisors of Peaine Township -

We have read your recreation plan with great interest and support the idea of developing the park behind Peaine Township Hall.

This summer the number of people playing Pickle Ball on Beaver Island has increased dramatically. They currently share the two tennis courts in St. James with a growing number of enthusiastic tennis players. In the interest of accommodating both sports and encouraging their continuing development, we recommend that Peaine build at least two, and preferably four, Pickle Ball courts in the area behind the township hall. This would also be a good location for Bocce Ball courts. The park could become a recreation center, and this little-used area would attract players, picnickers, and spectators.

We hope that the township will agree that providing facilities for a variety of popular sports will attract tourists to the

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island and will enable all Beaver Islanders enjoy the physical and social benefits of athletic activities.

We encourage you to move forward to develop this plan.

Sincerely,

Ruth and Peter Igoe

Suggestion #9

Dear Krysl,

This comment is in regard to page 15/47 Table 16 listing recreation sites located in Peaine Township.

#9 lists Bonner's Bluff State Beach (Bonner's Landing) as located at the end of private road, and being accessed through private property. My husband and I are the owners of Lot 13 through which we have allowed pedestrian access to the state beach through our beachfront lot.

The concern we have is one of safety and homeowner liability with the public driving vehicles down the narrow bluff road which is maintained by the homeowners association. This road, to our knowledge, has never been maintained by Charlevoix County Road Commission below the top of the bluff.

The road provides the only ingress and egress for property owners at Bonner's Landing. At times, cars parking at the bottom of the bluff to access state land, partially block the road and limit safe access for homeowners on this single lane private road.

We have also noted increased use of fat tire bikes and ATV's on the beach which contains threatened pitcher's thistle and potential piping plover habitat.

Current maps of the island are unclear regarding the start of the private road. The Bonner's Landing Association has provided signage, though this has not proved adequate. Perhaps, clarification on future maps and more official signage would be helpful. We are willing to discuss more permanent solutions for access to this state beach.

Respectfully,

Thomas and Patricia Sell

Suggestion #10

From: Bob Sramek <bobsramek@gmail.com>

Subject: Peaine Township Recreation Plan

Date: September 3, 2019 at 10:10:17 AM EDT

To: Krysl Lyle <krysl@kryslstyle.com>, peainetownship@gmail.com, peainetownshipclerk@yhao.com, pwelke@islandairways.com, lkubic@tds.net, ernestdmartin@gmail.com, wmrky531@gmail.com, danburtonbuilder@yahoo.com, macarringto@aol.com, rickspeck@tds.net

Cc: scott kasbaum <islepoint@gmail.com>, Lawrence Hall <foxview@tds.net>, Susan Avery <cabinbythelake1@gmail.com>, sanstenser@yahoo.com, Bob Sramek <bobsramek@gmail.com>, Ed Max <hortusmax@gmail.com>, jillfedewa@aol.com

September 3, 2019

Appendix K: Input Gathered During the 30 Day Review Period

We, the undersigned homeowners of Fox Lake would like to express our thoughts about the proposed, possible purchase of the Jeff Powers land adjacent to the existing Fox Lake boat launch for the purpose of establishing a campground and the development of the 20 acre, 2000' lake frontage parcel of township land that currently exists in a natural and pristine state.

We are **strongly opposed** to this development and will take whatever action is needed to stop this. We have set forth our case for NOT purchasing NOR developing land on Fox Lake.

According to the goals and objectives listed on page 26 of the 2019-2024 Recreation Plan, The 2013-2018 Peaine Township Recreation Plan identified three overarching goals to promote and enhance recreation opportunities for Island residents and visitors. The establishment of a campground on property currently owned by Jeff Powers adjacent to the current Fox Lake Boat Launch, would be counterproductive and not supportive of the three goals stated.

The goals stated are:

Maintain and restore condition of natural resources and ecosystems that contribute to recreation and quality of life on Beaver Island.

Increase recreational opportunities, especially for youth, those with disabilities and elderly residents of Beaver Island.

Increase the recreational assets/services of Beaver Island for attracting tourists, seasonal residents and new full time residents.

The establishment of a campground on the Powers property on Fox Lake would NOT maintain NOR restore the natural resources NOR the ecosystems of Fox Lake NOR the quality of life on Beaver Island. The additional noise and disturbances could disrupt the breeding cycle of the fragile loon population. We have already witnessed this by boaters using high horsepower motors and racing across Fox Lake, sometimes even pursuing the loons. As recently as August 31, 2019 there were 2 people in a boat with a powerful engine circling the perimeter of Fox Lake at full throttle. This action was just a few feet off shore, creating wave action against the shoreline that is currently experiencing erosion issues due to an extremely high water level. The proposed campground would remove natural land as it exists now and convert it into developed land, which would be counterproductive to the preservation of natural resources and ecosystems as stated in the Recreation Plan's goals.

The establishment of a campground on the Powers property on Fox Lake would NOT increase the property value of seasonal residents NOR full time residents NOR vacant landowners on Fox Lake. The added noise and lake activity could greatly decrease the resale value of existing homes and vacant land. If we had known that a campground would be placed on Fox Lake, we never would have bought or built the homes where we currently live.

The existing boat launch has served as a place for late night activity that includes, fireworks, gunfire, loud music and noise. An expansion of this area would only make matters worse. Why is there activity at a boat launch at night with hours of activity ranging from 10 pm - 3am? Are people really launching boats at this time of the night?

People purchased land and homes on Fox Lake because of the peace, serenity, calm, natural beauty and belief in the stewardship of the land, NOT because there was a campground on the Lake.

At this point, to the best of my knowledge, there are no campgrounds on any of the inland lakes where there are residential

Appendix K: Input Gathered During the 30 Day Review Period

homes. Many questions come to mind from this proposal to build a campground on Fox Lake.

- Is there a real need to place a campground in a residential area rather than an area surrounded by public land?
- Has anyone spoken with Jeff Powers about this purchase?
- What is the current occupancy/vacancy rate at the existing campgrounds?
- Will homeowners be compensated by Peaine Township for the loss in value in their property by the establishment of a campground on Fox Lake?
- Is it necessary to take yet more property off the tax rolls?
- Where will the funding come from to purchase land for the campground?
- How will Peaine Township replace the lost tax dollars from the sale of the Powers property to a nontaxable entity?
- Where will the funding come from for the establishment of the campground, i.e. fire rings, clearing of land, picnic tables, water, emergency phones, signage, sanitary facilities?
- Where will the funding come from for the maintenance of the campground?
- Have any of the plan developers looked at the current condition of the Fox Lake Boat Launch?
- It is run down and not an appealing place. Wouldn't it be more beneficial to clean up the area, remove the dead trees and fix the road?
- Instead of a campground, wouldn't making Fox Lake a "no-wake" lake be more beneficial to the existing wildlife, peace and tranquillity of the area, help with lakeshore erosion when water levels are elevated and improve the overall ecosystem of the lake?
- Is there that great a demand for a campground for the elderly and those with disabilities?
- How do existing campgrounds attract elderly and those with disabilities?
- Is there any data to support this supposed need?
- On page 23 of the 2019-2024 Recreation Plan, it is stated that under consideration is the development of the 20 acres and 2,000' of Township-owned property on Fox Lake. Why would anyone want to "DEVELOP" a pristine natural area?
- Again, where would the funding come from to "DEVELOP" this natural area and what kind of "DEVELOPMENT"?
- The language of the "development" of the 20 acre parcel is too vague what are the particulars of this development?
- Will an impact study be done to see what harm development might be done to an unspoiled natural area?
- What rules will be put into place to govern the usage of the development of the 20 acre parcel, ie. Will hunting be allowed, overnight camping, picnic facilities?
- To those points who will maintain this area in terms of trash removal, cleanup, fire hazard, and emergency infrastructure?
- Will the township create a paid position for a maintenance person for both properties?
- Will the sheriff be able to come out and monitor these areas on a consistent basis when we start calling about noise and partying in these locations?
- How will the fire department be able to combat a fire on the 20 acre parcel since there is no access by land to the property?
- A smoldering fire site was recently reported on the 20 acre parcel of township land located at the far east end of Fox Lake. Why does humankind always think that nature has to be improved and developed?

Specifically, we would like to see the following verbiage removed from The Recreation Plan.

1. Page 23, Fox Lake: Strike "Consideration for purchase of Powers property (600 ft.) for development of campsites."

Appendix K: Input Gathered During the 30 Day Review Period

2. Page 23, Fox Lake: Strike “Consideration to the development of the 20 acres and 2,000’ of Township-owned property on Fox Lake”
3. Page 23, Fox Lake: Strike “Addition of picnic tables and fire pits.”
Page 29, Objective C, 5. - Strike the words “Fox Lake and”

Respectfully and unanimously submitted by the homeowners of Fox Lake,

Robert M. Sramek

Ed Max

Scott Kasbaum

Ken Davis

Sandi Tenser

Marc Tenser

Doug Gillespie

Denise Bordner Tester

George “Dewey” Sexton

Amy Sexton

Jim Fedewa

Jill Fedewa

Larry Hall

Dave Avery

Sue Avery

Appendix L: Notes Recorded During the Public Meeting

Angel Welke notes from public hearing on Peaine Township Recreation Plan. These notes are items members of the audience wanted updated, added, or clarified.

Long discussion of “Enforcement.” Can a section be added? Page 24 at the end?

Enforcement:

Provide educational information for all recreational sites including:

- Permitted activities
- Prohibited activities
- Emergency contact information
- ORV regulations
- Private property / public property

Signage

Brochures at all points of entry and major retail facilities (ferry dock, both airports, Charlevoix airport, grocery store, gas station, marinas) including:

- Permitted activities
- Prohibited activities
- Emergency contact information
- Trail information
- ORV regulations

Trail cams

Work with Beaver Island Chamber to circulate information on above listed permitted and prohibited activities

Develop a “Visitor Information Center” with all of the above information available

Work with Northern Islander publisher for informational articles about above topics

Enhance communication with law enforcement, emergency services and township leaders (regular reporting of incidents to township boards)

Other items that were discussed and all agreed needed to be added:

South End Lighthouse: Add one line? “Work with Charlevoix County to continue improvements to Beaver Head Lighthouse and surrounding park area.”

DNR Trail Map – to be included

DNR ORV map – to be included

Mention that BI Trails Committee is “Continuing work on comprehensive trail map.”

Define “trail” vs. “road”

Add “Work to establish separate bike trail on King’s Highway – separated from traffic.”

Include water trail map

Appendix L: Notes Recorded During the Public Meeting

Fox Lake

“Look into limitations of 66 foot easement”

“Work with the DNR to designate Fox Lake a ‘No Wake Lake’”

“Add trash receptacles to encourage good stewardship of the area.”

“Add robust signage of permitted and prohibited activities (no fires, no camping) (picnics, bird watching allowed)”

“Utilize DNR designed / approved cement based docks” (same at Lake G.)

“Assess if parking areas are permissible and able to be improved.”

Use word dock not pier.

Only one dock not multiple.

Font Lake Park

Bocce ball area

Pickle ball courts (up to 4 or 6)

Addition of restrooms with running water

Improvements to grass areas for bocce ball (grading, new top soil, re-seed with sturdier grass, etc.)

“Land acquisition may be required to accomplish some of the items listed in this presentation.”

Clarify ORV vs. non-ORV approved trails and areas

What is the correct designation for Keubler Trail? If not public? All private? Some other designation

Under invasive species add “Utilize threat analysis when evaluating invasive species.”

Do not need to add Dick McEvoy’s entire list. Simply a line about working with Charlevoix County. Dick does not have the authority to establish that type of priority list for the lighthouse.

Appendix M: Minutes from the Public Meeting to Adopt the Recreation Plan

Peaine Township Board Regular Meeting

December 9th, 2019 at 7:00PM at the Peaine Township Hall (36825 Kings Hwy)

Members Present: Bill Kohls, Carla Martin, Larry Kubic, Paul Welke, Ernie Martin

Members Absent: None

Meeting called to order at 7:01pm.

MOTION Kohls, second Kubic to approve the minutes of the November 11th, 2019 regular meeting and December 6th, 2019 special joint meeting, motion approved.

Resolution #19-2019

Offered by Kohls, and supported by C. Martin,

WHEREAS, Amy S. Burris owns a 40-acre parcel (parcel # 012-119-001-20) located at 29405 Young James Trail, Beaver Island, Michigan 49782; and

WHEREAS, Amy S. Burris wishes to subdivide that parcel into four (4) ten-acre parcels; and

WHEREAS, Amy S. Burris wishes to provide access to such parcels via a private road to be known as Burris Road.

NOW THEREFORE, the Peaine Board resolves that the private road described above shall be known as Burris Road.

Roll Call Vote

Ayes: Welke, Kubic, Kohls, C. Martin, E. Martin

Nays: None

Absent: None

Resolution Adopted

Resolution #20-2019

Offered by Kohls, and supported by Welke

WHEREAS, Peaine Township has undertaken a planning process to determine the recreation and natural resource conservation needs and desires of its residents during a five-year period covering the years 2019 through 2024, and

WHEREAS, Peaine Township began the process of developing a (community recreation and natural resource conservation plan in accordance with the most recent guidelines developed by the Department of Natural Resources and made available to local communities, and

WHEREAS, residents of Peaine Township were provided with a well-advertised opportunity during the development of the draft plan to express opinions, ask questions, and discuss all aspects of the recreation and natural resource conservation plan, and

WHEREAS, the public was given a well-advertised opportunity and reasonable accommodations to review the final draft of plan for a period of at least 30 days, and

WHEREAS, a public hearing was held on September 17, 2019 at Peaine Township Hall, 36825 Kings Highway, Beaver Island MI 49782, to provide an opportunity for all residents of the planning area to express opinions, ask questions, and discuss all aspects of the Parks and Recreation Plan, and

WHEREAS, Peaine Township has developed the plan as a guideline for improving recreation and enhancing natural resource conservation for the township, and

WHEREAS, after the public hearing, the Peaine Township Board of Trustees voted to adopt said Parks and Recreation Plan.

NOW, THEREFORE BE IT RESOLVED the Board of Trustees of Peaine Township, by roll call vote, hereby adopts the Parks and Recreation Plan.

Roll Call Vote

Ayes: Welke, Kubic, Kohls, C. Martin, E. Martin

Nays: None

Absent: None

Resolution Adopted

Appendix M: Minutes from the Public Meeting to Adopt the Recreation Plan

MOTION Kohls, second Welke to approve the Minimum Standards & Requirements for Commercial Aeronautical Activities at the Beaver Island Airport,

Roll Call Vote

Ayes: Welke, Kubic, Kohls, C. Martin, E. Martin

Nays: None

Absent: None

Motion Approved

Resolution #21-2019

Offered by Kohls, and supported by Welke to adopt Ordinance #2019-4, The Beaver Island Township Airport Ordinance.

Roll Call Vote

Ayes: Welke, Kubic, Kohls, C. Martin, E. Martin

Nays: None

Absent: None

Resolution Adopted

Ordinance Declared Adopted

MOTION Welke, second Kohls to approve the Beaver Island Waste Management Committee Structure, Responsibility, and Authority document with the following changes to section I, Structure, and item 1, Committee Members: specify that two township board members from each township serve on the committee and are approved by their own township board respectively, and that the appointment of at large members are approved by both township boards, motion approved.

MOTION Kohls, second Welke to post for a vacancy on the Beaver Island District Library Board, motion approved.

MOTION Kohls, second Kubic to approve payment of all current bills, motion approved.

Meeting adjourned at 7:25pm.