AGENDA Huron-Clinton Metropolitan Authority Board of Commission Meeting January 11, 2018 – 10:30 a.m. Administrative Office

- 1. Chairman's Statement
- **2.** Public Participation
- 3. Approval December 14, 2017 Meeting Minutes
- 4. Approval January 11, 2018 Full Agenda

Consent Agenda

5. Approval – January 11, 2018 Consent Agenda

- a. Purchases
 - 1. Vehicles, Various Locations pg. 1
- **b.** Report Purchases over \$10,000 pg. 3
- c. Bids Sanitary Pump Replacement, Stony Creek pg. 5

Regular Agenda

6. Presentation – Huron River Watershed Council pg. 7

7. Reports

- A. Administrative Department
 1. Report Michigan Electric Bicycle Legislation pg. 9
- B. Planning Department
 - 1. Approval Indian Springs Master Plan pg. 15
 - 2. Report Draft Lake Erie Master Plan pg. 17
- **C.** Engineering Department
 - 1. Bids Drywall Installation, Oakwoods Nature Center pg. 69
- 8. Other Business
- 9. Staff Leadership Update
- **10.** Commissioner Comments
- **11.** Motion to Adjourn

The next regular Metroparks Board meeting will take place <u>Thursday, Feb. 8, 2018</u> – <u>10:30 a.m.</u> Administrative Office



To:Board of CommissionersFrom:Heidi Dziak, Senior BuyerProject Title:Nine (9) VehiclesLocation:Police, Lake St. Clair, Kensington, Stony Creek and Lake Erie MetroparksDate:January 4, 2018

Action Requested: Motion to Approve

That the Board of Commissioners approve the purchase of nine (9) vehicles at a total amount of \$252,710 from Signature Ford of Owosso, Michigan the low responsive, responsible bidder for Macomb County Cooperative Bid #71-15 as recommended by Heidi Dziak, Senior Buyer and staff.

Fiscal Impact: Funds will come from the Board approved 2018 Capital Equipment Budget that allowed for \$274,000 for the purchase of the nine (9) vehicles.

Scope of Work: Furnish and deliver the following vehicles:

Description / Location / Unit Replaced	Cost	Budget
Administrative Office/Police Department (1) 2018 Ford Explorer 4x4		
Replaces #445: 2015 Ford Explorer, 106,563 miles which will be transferred to AO car pool to replace #410, 2006 Chevy Impala; 124,770 miles which will be sold at auction.	\$27,691.00	\$37,000.00
(1) 2018 Ford Police Interceptor Utility AWD Vehicle Replaces #425: 2013 Ford Interceptor, 80,575 miles which will be transferred to KMP car pool to replace #833, 2010 Ford Explorer; 105,436 miles which will be sold at auction.	\$30,153.00	\$36,000.00
(1) 2018 Ford Police Interceptor Utility AWD Vehicle Replaces #427: 2013 Ford Interceptor, 69,800 miles which will be transferred to IS EDC to replace #608, 2008 Ford Explorer; 130,002 miles which will be sold at auction.	\$29,268.00	\$30,000.00
(1) 2018 Ford Police Interceptor Utility AWD Vehicle Replaces #643: 2014 Ford Interceptor, 89,319 miles which will be transferred to Hudson Mills to replace #827, 2007 Ford Explorer; 123,744 miles which will be sold at auction.	\$23,480.00	\$30,000.00

Description / Location / Unit Replaced	<u>Cost</u>	<u>Budget</u>
Kensington (1) 2018 Ford Escape 4x4 Replaces #629: 2009 Ford Explorer; 128,845 miles	\$23,480.00	\$30,000.00
Lake Erie (1) 2018 Ford Escape 4x4 Replaces #614: 2007 Ford Explorer; 100,116 miles	\$23,480.00	\$29,000.00
Lake St. Clair (1) 2018 Ford Transit Cargo Van, long wheel base Replaces #785: 2002 GMC Van; 93,265 miles and rust	\$26,042.00	\$22,000.00
Stony Creek (1) 2018 Ford F150 Super Cab 4x4, 6.5-foot box Replaces #791: 2006 GMC Pickup; 109,487 miles	\$31,520.00	\$30,000.00
(1) 2018 Ford F150 Super Cab 4x4, 8-foot box Replaces #799: 2004 GMC Pickup; 108,366 miles	<u>\$31,808.00</u>	<u>\$30,000.00</u>
Tota	\$252,710.00	\$274,000.00

Background: The vehicle numbers for the units being replaced are indicated at the end of each new vehicle description. Vehicles being replaced have one or more of the following conditions:

- 10 or more years old
- Significant amount of rust
- 100,000 or more miles
- Major mechanical problems

The varying prices is due to the options which is based on the work that is being done by each particular department.

<u>Vendor</u>	Location	<u>Price</u>
Signature Ford	Owosso, MI	\$254,202.00



To:Board of CommissionersFrom:Michael Reese, Acting DirectorProject Title:Update - Purchases over \$10,000.00Date:January 4, 2018

Action Requested: Motion to Receive and File

That the Board of Commissioners receive and file the update for purchases over \$10,000, up to, and including \$25,000 as submitted by Acting Director Reese and staff.

Background: On May 9, 2013, the Board approved the updated financial policy requiring the Director to notify the Board of purchases exceeding \$10,000, up to, and including \$25,000.

The following list is purchases exceeding the \$10,000 threshold:

<u>Vendor</u>	Description	<u>Price</u>
1. MacAllister Rentals	Genie Scissor Lift Kensington Metropark	\$11,516.00



HURON-CLINTON METROPOLITAN AUTHORITY

To:	Board of Commissioners
From:	Mike Brahm-Henkel, Manager of Engineering
Project No:	709-18- 340
Project Title:	Bids – Baypoint Sanitary Pump Replacements
Project Type:	Major Maintenance
Location:	Stony Creek Metropark, Macomb County
Date:	January 4, 2018

Quotes Received: October to December 2017

Action Requested: Motion to Approve

That the Board of Commissioners' (1) authorize staff to issue a purchase order to Kennedy Industries in the amount \$34,970 for project 709-18-340; and (2) approve the transfer of \$34,970 from Fund Balance to the Stony Creek Unallocated Major Maintenance account as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

Fiscal Impact: This is an unbudgeted repair in the amount of \$34,970.

Scope of Work: The work includes the removal and installation of two vertical, five-horsepower 1200 RPM pumps including all start up and testing.

Background: The two existing pumps in the Baypoint lift station have failed and need to be replaced. The existing pumps transfer sewage flows from the West Branch, Winter Cove and Mt. Vernon picnic areas to the eastern side of the park to the gravity sewer located at Eastwood Beach. The pumps service the restroom facilities and the Boat Rental Building. The power and control system was updated 2002.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
Kennedy Industries Kerr Pump Meridian Contracting Group LLC	Wixom Oak Park Washington	\$34,970.00 \$36,494.00 \$66,500.00
Budget Amount for Contract Services		\$ 0.00
Work Order Amount Contract Amount Kennedy Industries Contract Administration Total Proposed Work Order Amount		\$34,970.00 <u>\$ 3,000.00</u> \$37,970.00



To:Board of CommissionersFrom:Nina Kelly, Manager of PlanningSubject:Huron River Watershed Council Economic Impact PresentationDate:January 4, 2017

Action Requested: Motion to Receive and File

That the Board of Commissioners' receive and file this presentation as recommended by Manager of Planning, Nina Kelly, and staff.

Fiscal Impact: None.

Background: The Huron River Watershed Council (HRWC) developed a report evaluating the economic impact of the Huron River, which connects through Metroparks in the Western and Southern Districts.

HRWC Deputy Director Elizabeth Riggs will present a summary of the report's findings at the Jan. 11, 2018 meeting.



To:Board of CommissionersFrom:David Kirbach, Deputy DirectorSubject:Approval – Michigan Electric Bicycle LegislationDate:January 4, 2018

Action Requested: Motion to Receive and File

That the Board of Commissioners' (1) receive and file the report on the Michigan Electric Bicycle Legislation; and (2) accept the legislation regarding e-bike usage on Metroparks hike/bike trails as recommended by Deputy Director David Kirbach and staff.

Background: On Oct. 30, 2017, Gov. Snyder into law House Bill 4781, 4782 and 4783, now Public Acts 138,139 and 140 declassifying electric bikes as motorized vehicles and allowing them to be operated with certain restrictions on improved (i.e. paved) trails.

The three definitions and classifications for e-bikes along with an outline of conditions for lawfully operating them on trails and roadways are listed below.

<u>Class 1 e-bike</u>: equipped with an electric motor that provides assistance only when the rider is pedalling and that stops providing assistance when the e-bike reaches a speed of 20 miles per hour.

<u>Class 2 e-bike</u>: equipped with a motor that propels the electric bicycles to a speed of no more than 20 miles per hour whether the rider is pedalling or not and that disengages or ceases to function when the brakes are applied.

<u>Class 3 e-bike</u>: equipped with a motor that provides assistance only when the rider is pedalling and stops providing that assistance when the electric bicycle reaches a speed of 28 miles per hour.

The Metroparks has a 10 mph speed limit on our hike-bike trails that would still be enforced.

Attachment: E-bike Legislation Information from Michigan Trails & Greenway Alliance



1213 Center Street P.O. Box 27187 Lansing MI 48909 Phone: 517-485-6022 Fax: 517-347-8145 www.michigantrails.org



1687 M 119 Petoskey, MI 49770 231-348-8280 www.trailscouncil.org

Michigan's Electric Bicycle Legislation

Questions and Answers November 2, 2017

On October 30, 2017, Governor Snyder signed into law HB 4781, 4782 and 4783. These bills, now Public Acts 138, 139 and 140, authorize the use of "electric bicycles" in Michigan subject to the limitations within them. This is a summary of the law presented in a Question and Answer format. The summary was prepared by Jim Conboy and Bob Wilson. Jim serves on the boards of both the Top of Michigan Trails Council (TOMTC) and Michigan Trails & Greenways Alliance (MGTA). Bob Wilson is Executive Director of MTGA. Jim and Bob appreciate the review of the text undertaken by Luther Kurtz, President of TOMTC, and Jeff Winegard, Executive Director of TOMTC. This document does not constitute legal advice. If you need legal advice regarding the electric bicycle law please consult an attorney.

Question 1: When do the Acts take effect? Answer: 90 days from October 30 which is January 28, 2018.

Question 2: What is an "electric bicycle"?

Answer: "Electric bicycle" means a device upon which an individual may ride and that is equipped with all of the following:

-A seat or saddle for use by the rider.

- -Fully operable pedals for human propulsion.
- An electric motor of not greater than 750 watts (1h.p).

Question 3: What are the classes of electric bicycles? Answer:

"Class 1 electric bicycle" means an electric bicycle that is equipped with an electric motor that provides assistance only when the rider is pedaling and that disengages or ceases to function when the electric bicycle reaches a speed of 20 miles per hour.

"Class 2 electric bicycle" means an electric bicycle that is equipped with a motor that propels the electric bicycle to a speed of no more than 20 miles per hour, whether the rider is pedaling or not, and that disengages or ceases to function when the brakes are applied.

"Class 3 electric bicycle" means an electric bicycle that is equipped with a motor that provides assistance only when the rider is pedaling and that disengages or ceases to function when the electric bicycle reaches a speed of 28 miles per hour.

Question 4: How will I be able to tell if an electric bicycle is a class 1, 2 or 3?

Answer: Beginning on January 1, 2018, a manufacturer or distributor of electric bicycles offered for sale or distribution in Michigan must permanently affix in a prominent location on the electric bicycle a label that contains the classification number, top assisted speed, and motor wattage of the electric bicycle.

Question 5: Besides placement of a label are there any other requirements for what must be on an electric bicycle?

Answer: An electric bicycle must comply with applicable equipment and manufacturing requirements for electric bicycles established under federal law, including standards adopted by the United States Consumer Product Safety Commission and compiled in 16 CFR part 1512. At this time these federal requirements are not unique to electric bicycles. Thus, if an electric bicycle meets the standards for non-electric bicycles that is all that is required under federal law.

Question 6: Are electric bicycles subject to all the same legal requirements applicable to non-electric bicycles?

Answer: Yes, when riding an electric bicycle you must observe all the safety requirements applicable to non-electric bicycles including riding with traffic, using hand signals for turns and stops, stopping at stop signs, and the use of lights at night.

Question 7: Can I ride electric bicycles on city, county, and state roads?

Answer: Yes you can ride electric bicycles on any roads where a non-electric bicycle can be ridden including designated bicycle lanes. There is an exception to this rule for Mackinac Island, no electric bicycles are allowed to be operated on the Island. However, the law allows for electric bicycles on the Island if a permit is provided by the Mackinac Island State Park or if the City of Mackinac Island adopts a resolution allowing for electric bicycles.

Question 8: Can anyone ride electric bicycles?

Answer: Anyone can ride a class 1 or class 2 electric bicycle, subject to the provisions of the law. However, a class 3 electric bicycle shall not be operated by an individual less than 14 years of age. An individual less than 14 years of age may ride as a passenger on a class 3 electric bicycle that is designed to accommodate passengers.

Question 9: Must I wear a helmet when riding an electric bicycle?

Answer: It is always advisable to wear a helmet anytime you are riding a bicycle, however there is no helmet requirement in Michigan when riding any type of bicycle except for a class 3 electric bicycle. An individual less than 18 years of age who operates or rides as a passenger on a class 3 electric bicycle must wear a properly fitted and fastened bicycle helmet.

Question 10: Can I ride an electric bicycle on a trail?

Answer: The answer depends on several factors — the class of the electric bicycle, the type of trail, and whether the authority that has jurisdiction over the trail permits the use of electric bicycles. "Authority" includes any state or local governmental entity having jurisdiction over a trail. This includes the Department of Natural Resources, counties, villages, townships and cities. The law defines two types of trails:

Natural surface trails are trails designated as non-motorized and have a natural surface tread that is made by clearing and grading the native soil with no added surfacing materials such as asphalt, crushed lime stone, or similar material. No electric bicycles are permitted on these trails unless the authority having jurisdiction over the trail has authorized electric bicycles i.e., "opted in".

Linear trails are trails that have an asphalt, crushed limestone, or similar surface.Class 1 electric bicycles may be operated on these trails as soon as the law goes into effect. Authorities having jurisdictions over these trails can "opt out" i.e. prohibit class 1 electric bicycles on these trails. Examples of 'linear trails" include the North Central State Trail, the North Eastern State Trail, the North Western State Trail, the Little Traverse Wheelway, and the Huron Sunrise Trail. Class 2 and 3 electric bicycles cannot be operated on these trails unless the authority having jurisdiction over the trail "opts in" i.e. permits them on the trail.

Rail Trails: The law also authorizes Class 1 electric bicycles on "rail trails" unless the trail's authority "opts out". Class 2 and 3 electric bicycles are not permitted on "rail trails" unless the trail's authority "opts in".

Question 11: If an authority who has jurisdiction over a trail wishes to change the rule regarding whether electric bicycles can or cannot operate on a trail, what must it do?

Answer: Before an authority may change the status of electric bicycles on trails within its jurisdiction as prescribed by the new law it must hold a public hearing. Subsequent to a hearing an authority can expand or restrict usage and also set conditions for use of electric bicycles on a trail. It is expected the DNR and other authorities will be considering changes and restrictions on usage of various trails in the future.

Question 12: Does the new Michigan electric bicycle law apply to a federal congressionally authorized public trail?

Answer: No, the federal government regulates those trails within Michigan

Question 13: How do the Americans With Disabilities Act and similar acts protecting the disabled fit within this new Michigan law?

Answer :The State or local authority which has jurisdiction over a trail must comply with the Americans With Disabilities Act of 1990, Public Law 101-336, and the Persons With Disabilities Civil Rights Act, 1976 PA 220, MCL 37.1101 to 37.1607.

Question 14: I already own an electric bike. How will the new law affect me?

Answer: There is no requirement you obtain a label to put on your bike. However, if after market labels become available (ask your dealer) it would be a good idea to get one applicable to your electric bike. Your electric bike will be subject to the restrictions on its use on roads and trails in Michigan. For example, if you have a class 2 electric bike it will not be permitted on a linear trail unless the authority having jurisdiction over a linear trail "opts in" to permit class 2 electric bikes on its trail. If you presently own a class 1 electric bicycle, it will be permitted on a linear trail as of January 28, 2018.

Question 15: have an electric bike that has a throttle on it. Does it come within the new electric bicycle law?

Answer: Yes. It would be a class 2 electric bike assuming it cannot exceed 20mph when engaged and it disengages the motor when brakes are applied.

Question 16: What is the penalty for violating the new electric bicycle law?

Answer: It depends on the authority who has jurisdiction over the road or trail where the violation occurred. Typically it will be a civil infraction resulting in fines, which in the case of a DNR trail can be as much as \$500.



To:Board of CommissionersFrom:Nina Kelly, Manager of PlanningSubject:Approval – Indian Springs Master PlanDate:January 4, 2018

Action Requested: Motion to Approve

That the Board of Commissioners' approve the Indian Springs Master Plan as recommended by Manager of Planning Nina Kelly and staff.

Fiscal Impact: Projects identified in the Master Plan will affect the Metroparks budget over the 10-year planning horizon; however, there is no immediate fiscal impact.

Background: The master planning process for Indian Springs included several opportunities for public input. Two public meetings were held for this plan: one took place on a Saturday morning in mid-September 2017 at the Park Office and the second on a weekday evening in October 2017 at the Golf Course; 20 people signed in for the two meetings.

The online and hard-copy questionnaire was available from August through November 2017. Social media posts encouraging people to attend the meetings and to complete the questionnaire were made to the Indian Springs Facebook page and Metroparks Twitter account throughout the process. In order to increase the number of questionnaire responses, Planning Department staff also spent two days performing intercept surveys at both the Great Pumpkin Hunt event at the park and the Springfield Township library; A total of 221 responses were collected.

At the Dec. 14, 2017 meeting, the Planning Department presented the draft Indian Springs Master Plan to the Board for review and comment. The plan draft was posted to <u>www.metroparks.com/about-us/planning-department/</u> through Dec. 28, 2017 for public review and comment.

Planning Department staff compiled comments and made necessary revisions in order to complete the final version of the master plan document presented herein for approval.



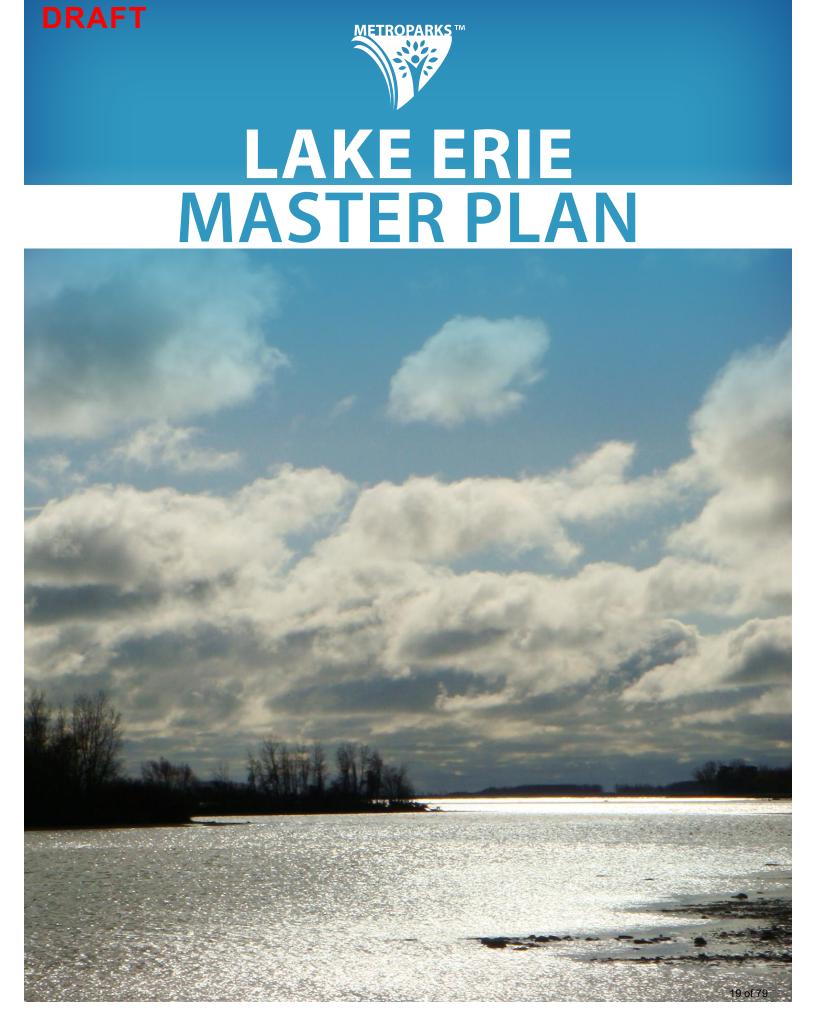
To:Board of CommissionersFrom:Nina Kelly, Manager of PlanningSubject:Report – Draft Lake Erie Master PlanDate:January 4, 2017

Action Requested: Motion to Receive and File

That the Board of Commissioners' receive and file the draft Lake Erie Metropark Master Plan as presented by Manager of Planning Nina Kelly and staff.

Following the meeting, the draft will be posted on the Metroparks website for public review and comment for a period of at least two weeks. Staff will bring the final plan to the Board for approval at the Feb. 8, 2018 meeting.

Attachment: Draft Lake Erie Master Plan

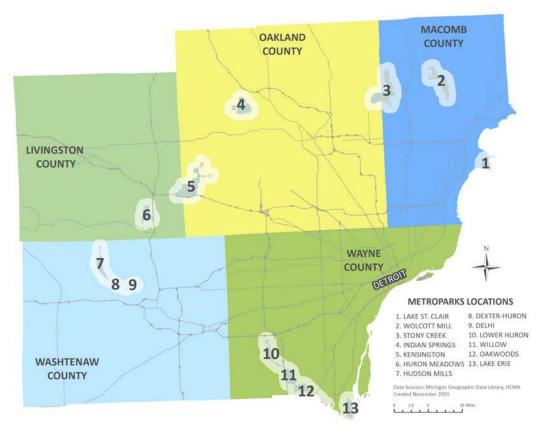


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INTRODUCTION

About the Metroparks ③



The Huron-Clinton Metropolitan Authority was sanctioned by the Michigan State Legislature in Act No. 147 of the Public Acts of 1939. Named after the two longest rivers within its boundaries, the Huron-Clinton Metropolitan Authority is a regional park agency consisting of 13 Metroparks encompassing approximately 25,000 acres of land within a five county area in southeast Michigan.

Much credit can be given to Henry S. Curtis and Harlow O. Whittemore for making the Metroparks a reality. The 1937 vision for a park system proposed a series of parks connected by a long parkway extending from Lake St. Clair along the Clinton and Huron rivers to Lake Erie below the mouth of the Detroit River.

Funding of the parks began in 1942 with a property tax levy, limited to one-quarter of one mill. The rate today has been adjusted to .2140 mills.



PARK DEVELOPMENT TIMELINE



Introduction

Administration & Operations

Board of Commissioners

A seven-member Board of Commissioners governs the Huron-Clinton Metropolitan Authority. The Board of Commissioners meets the second Thursday of each month, where they make policy decisions for the Authority, including approving expenditures, acquiring land, planning of new parks and facilities, approving fees and charges, awarding contracts through competitive bidding, and other matters necessary to provide regional recreation. The Board appoints staff officers for the Metroparks.

Two commissioners, appointed by the Governor of Michigan for a term of four years, serve as representatives at large. Five commissioners, one each to represent the counties of Wayne, Macomb, Oakland, Livingston and Washtenaw, are appointed for a term of six years by the board of commissioners of the above-named counties.

Director is the Chief Executive Officer of the Metroparks, provides leadership and executive oversight of all administrative and operational activities.

Administrative Departments provide administrative support to operations, and guide the organization towards its mission.

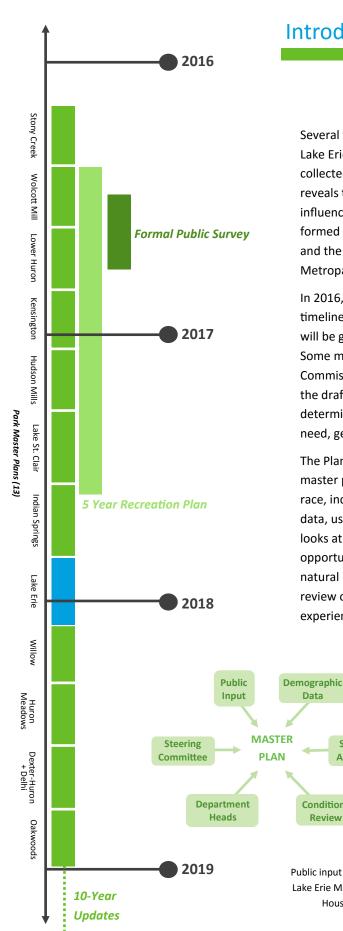
Operational Departments facilitate the day-to-day operations of the parks, making sure patrons have enjoyable and educational visits. They include Maintenance and Interpretive Services.

Metroparks Police ensure that everyone can enjoy the parks in a safe and secure environment.









Introduction

Cy Planning Process

Several factors contribute to the recommendations that will be proposed for Lake Erie in the master plan. One of the most important is the public input collected through meetings, questionnaires, and online comments. This reveals the public's hopes and expectations for the park and significantly influences plan recommendations. A master plan steering committee was formed to include park employees with exceptional knowledge of Lake Erie and the surrounding community, who along with the experienced Metroparks department heads provide their professional opinions.

In 2016, the Metroparks Planning Department scheduled an aggressive timeline for completing all 13 park master plans in three years. Each park will be given a planning window of six months, with overlap between parks. Some master plan timelines may be extended or delayed if the Board of Commissioner's recommend further public input following their review of the draft plan. The order of the parks in the planning process was determined by staff based on current and planned park projects, planning need, geography, and park popularity.

The Planning Department collects demographic and spatial data to inform master plan recommendations. Demographic data looks at the density, age, race, income, language, and other factors of the regional population. Spatial data, usually analyzed through Geographic Information System software, looks at the physical location of the parks in relation to other recreation opportunities, transportation facilities, population centers, important natural resources, and more. Finally, the Planning Department conducts a review of park conditions to identify areas needing improvement and areas experiencing success.

> The master plans are intended to be living documents, modified as needed to reflect changing conditions in the parks. However, they focus on park developments over the following ten years, and will be updated every decade through a formal planning process similar to the current one.



Data

Conditions

Review

Spatial

Analysis

DRAFT LAKE ERIE TODAY

Character 😵



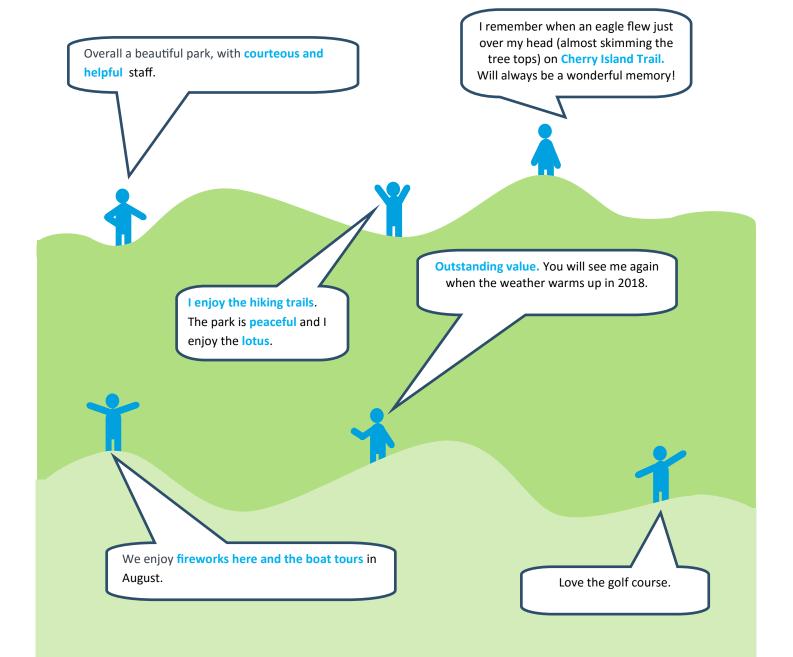
The following responses to our questionnaire highlight the many facets of Lake Erie that form a unique experience. Visitors appreciate the wide range of recreational activities available at the park, especially those related to the trails, natural resources, and golf. They see it as contributing to the surrounding community.

NEEDS

Continue to draw diverse range of visitors to the park

Build on park character to attract new visitors

OPPORTUNITIES



Lake Erie Today

General Map

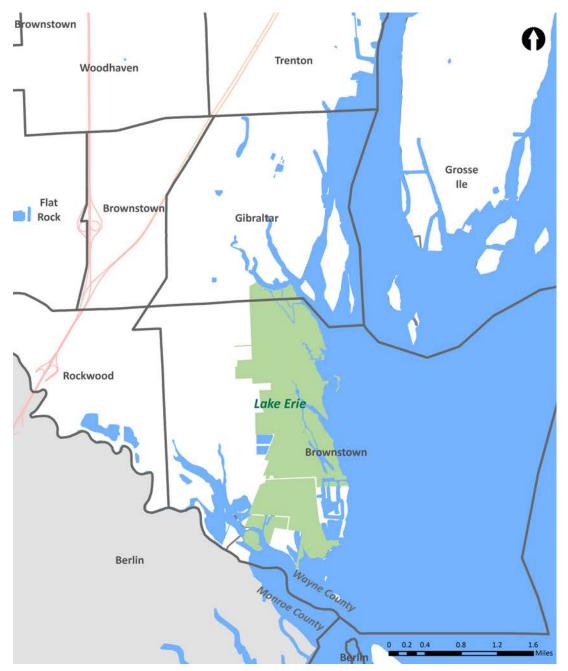


Lake Erie Today

Location 💡

Lake Erie Metropark is located in Wayne County, on its southern border with Monroe County. Most of the park is within Brownstown Township, with the northern section extending into the City of Gibraltar.

At its northernmost extent, Lake Erie reaches South Gibraltar Road. To the east is Lake Erie's shoreline, its western boundary is Jefferson Road, and to the south it abuts Pointe Mouillee State Game Area. The park is situated at the mouth of the Huron River.



Lake Erie Today

NEEDS

Define and protect areas with important biodiversity features Create a resilient network of biodiverse areas in the park

OPPORTUNITIES

Biodiversity refers to the variety of life present in a given area, often measured by number and distribution of species. It is important to preserve because it provides humans with ecological services such as clean water and oxygen, leads to greater resistance and resilience during natural and humancaused disturbances, and reduces the risk of disease.

Biodiversity Areas

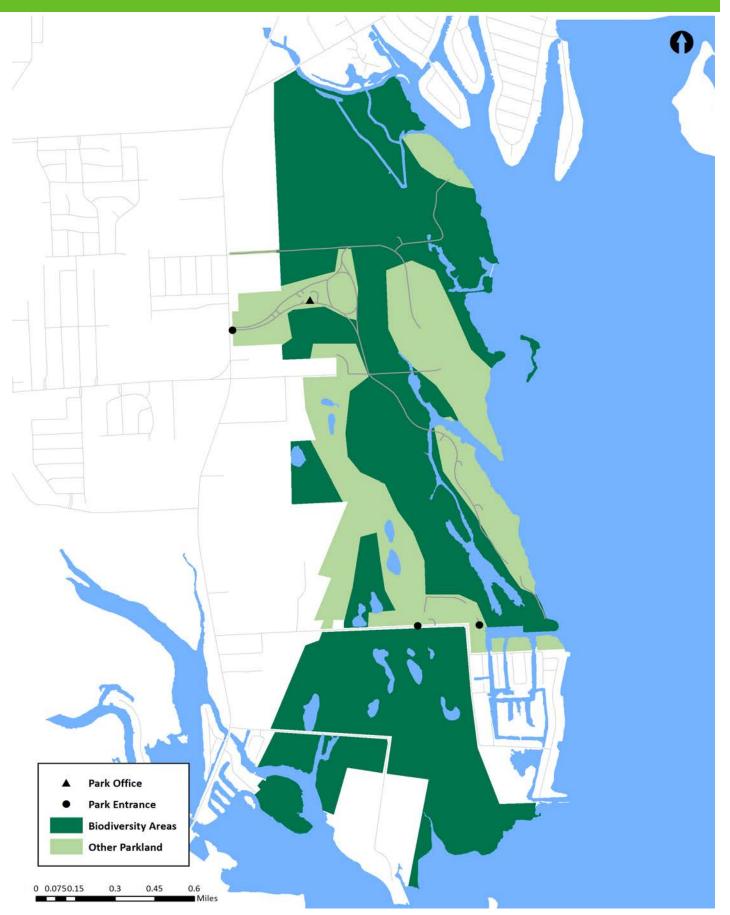
Identifying biodiversity areas can help inform the development of current and future park amenities, allowing the Metroparks to fulfill its mandate and mission statement of protecting the natural resources of the communities it serves. Development within biodiversity areas is carefully reviewed to minimize unnecessary disruption.

The following criteria for determining biodiversity areas were adapted from a matrix that the Natural Resources Department uses to determine work priorities throughout the park system. The following page shows a map of proposed biodiversity areas in Lake Erie.

Metric	What	Why	Metric	What	Why
Elemental Occurrence	the presence of a species under legal protection, or of a complete system recognized as in condition similar to pre-settlement	statutory, occurrences protected by law from intentional take	Percent Invasive Species Cover	percentage of total acreage with invasive plant coverage	areas with few invasive species require less work, have greater return on investment
FQA (Floristic Quality Assessment)	presence of plant species likely to occur in conditions similar to pre- settlement	determines the ecological value of a system based on its floral assemblage	Community Ranking	rank assigned by the state due to natural community rarity or rate of decline	assesses the vulnerability of each natural community within the state
FQI Connectivity	the presence of a quality habitat (greater than 35 FQI) within 100 feet of another	connected habitats provide diverse resources and facilitate migration, increase species fitness	Wetlands	the presence of wetlands	wetlands tend to have greatest diversity, and are also critical to promote healthy water resources
Size	acreage of the habitat in question	large habitats provide more diverse resources and facilitate migration, increase species fitness, resilience	Habitat Connectivity	the presence of a complementary habitat within 100 feet of another	connected wetlands promote genetic diversity conservation and water quality

Lake Erie Today

Biodiversity Map



Lake Erie Today

NEEDS

Better educate the importance of preserving important cultural features

Draw new visitors with programming/education based on history of park

OPPORTUNITIES

British defeated in War of 1812

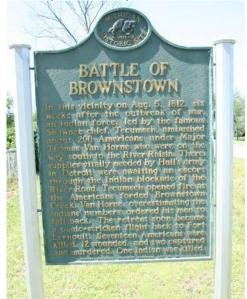
The village of Brownstown moved locations several times during its history, but prior to the War of 1812 it was located partially within the northern border of the park. The community now known as Brownstown was once a part of French Canada. Eventually, as the French influence dissipated, the area fell into British hands and finally came under American rule after the British defeat in the War of 1812.

The cannon monument located at the north end of the park is directly related to the efforts of Dr. Hal C. Wyman. A prominent physician in late 19th century Detroit, he was also a history buff. Using his own funding, he secured the cannons for a monument honoring soldiers from the War of 1812.

A Cultural History

French Long Lots and Water Access

The area now known as Brownstown began as a Native American settlement near Gibraltar and Jefferson roads. The area was a historical site for meetings of native tribes in the "Northwest Territory" during the late 1700's and early 1800's. Various projectile points have been found along the shoreline, suggesting a former Native American presence. French Long Lots, also known as ribbon farms, can be seen along the southern portion of the park. These properties had water access, a valuable commodity for the newly arrived.





The cannon monument led by the efforts of Dr. Jal C. Wyman.

Lake Erie Today

Cultural History Map



Lake Erie Today

Infrastructure

In order to serve the varied needs of park visitors, Lake Erie contains a number of buildings, surfaces, facilities, and activity areas. Many of these were constructed years or decades ago, meaning that they may need to be repaired or replaced in the near future.

The infrastructure necessary to maintain the activities available in Lake Erie includes roads, parking lots, piers, trails, pipes, utilities, picnic shelters, and much more. Since maintaining infrastructure is costly, it is important going forward to avoid overbuilding and collocate facilities to minimize paving, pipes, and other materials. Although Lake Erie Metropark is relatively isolated from other large recreation areas, a goal in the planning process is to ensure that the facilities and infrastructure in the park complement and do not duplicate those nearby.





NEEDS

Address aging and overbuilt infrastructure

Redevelop park areas to better serve visitors and environment

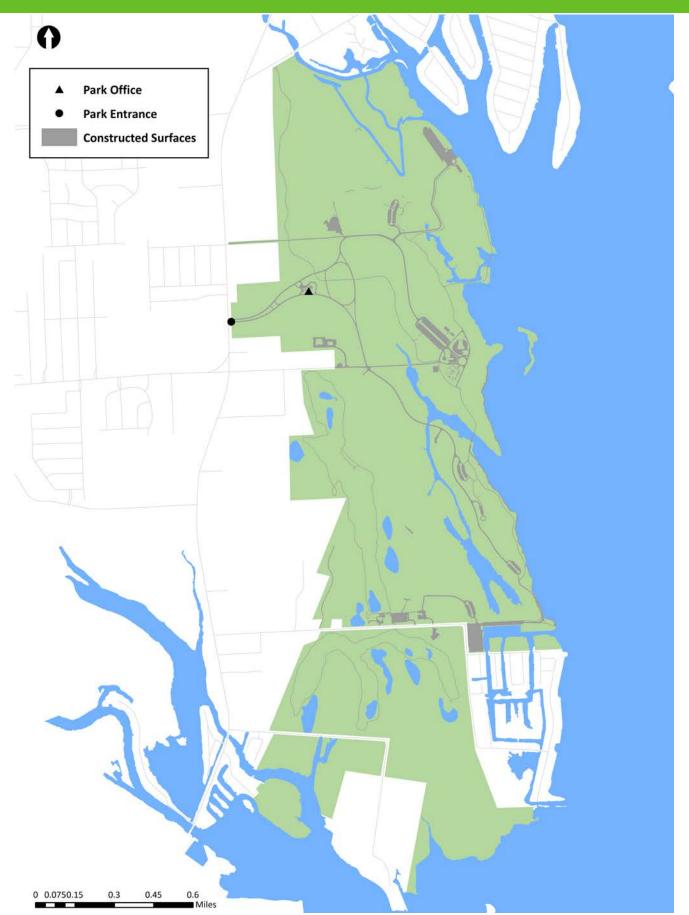
OPPORTUNITIES

Lake Erie Infrastructure			
Public bldgs / avg age	8 / 29		
Service bldgs / avg age	9 / 24		
Comfort stations / avg age	2/5		
Road miles	4.95		
Parking lot acreage	21.79		
Playgrounds	3		
Percent of park mowed	12		
Picnic shelters	5		
Sand volleyball courts	2		
Baseball fields	1		
Fishing platforms	1		
Tennis courts	2		
Ice skating rinks	0		
Basketball courts	2		
Public canoe/kayak launches	1		



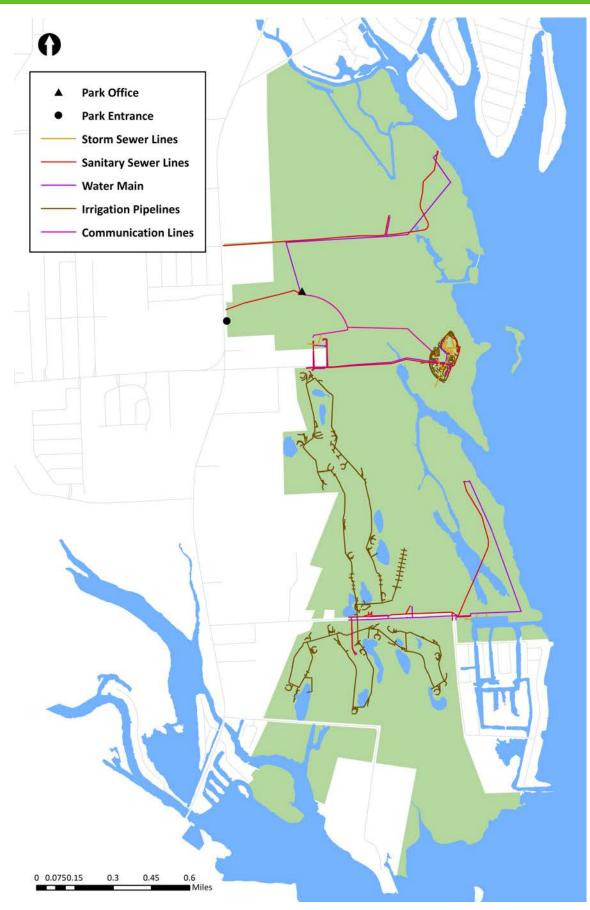
Lake Erie Today

Constructed Surfaces Map



Lake Erie Today

Utilities Map



Lake Erie Today



Marina Point

The marina point offers an observation deck and fishing site was developed in 1999 and includes benches, viewing platforms, fishing pier, access walks, trees, and a parking lot.

Boat Launch

The boat launch provides access to the large, open waters of Lake Erie and the Detroit River. It includes twelve boat ramps, a canoe/kayak launch, parking lot and restrooms.

Marina

The purchase of the Windjammer Marina (now the Lake Erie Marina) was approved at the October, 1980 Commission Meeting. The first season the Metroparks operated it was in 1981. It features more than 100 wells complete with water and electricity, daily transient docks, marina ice fishing, and a marina office with restrooms.

Great Wave Area

The "Great Wave" wave action pool includes a spray area and playground. This area also includes the food bar and



A Facilities & Centers

Lake Erie features a number of facilities that define its character and enhance the recreational experience of visitors. Some of these either require an admission fee, are available for rentals, or sell concessions, supplementing park revenue. As with all park infrastructure, it is a priority to keep the facilities well-maintained and replace them when no longer functional.

sledding hill, three picnic shelters, softball diamond, two basketball courts, two volleyball courts, and two tennis courts.

Golf Course

The 6,489 yard, par 72 golf course is surrounded by natural wetlands and ponds. It includes a starter building and driving range, practice green and cart paths.



Lake Erie Today

The Metroparks are moving towards a more data-driven approach to developing facilities. In order to best serve the residents of southeast Michigan and use resources wisely, the Planning Department has identified the location of similar facilities and programs. The goal for future development is to avoid duplication and instead offer unique facilities that fill recreation voids in the geographic area where the park is located.

The map below shows the location of aquatic facilities, golf courses, boat launches, neighborhood sports facilities, and interpretive programs that compete with those offered at Lake Erie. Relatively few of these facilities and programs available in the five-mile radius can be built upon the park's unique and significant features. This may present opportunities for Lake Erie to meet the recreational needs of the area in new ways distinct from other recreational opportunities moving forward.

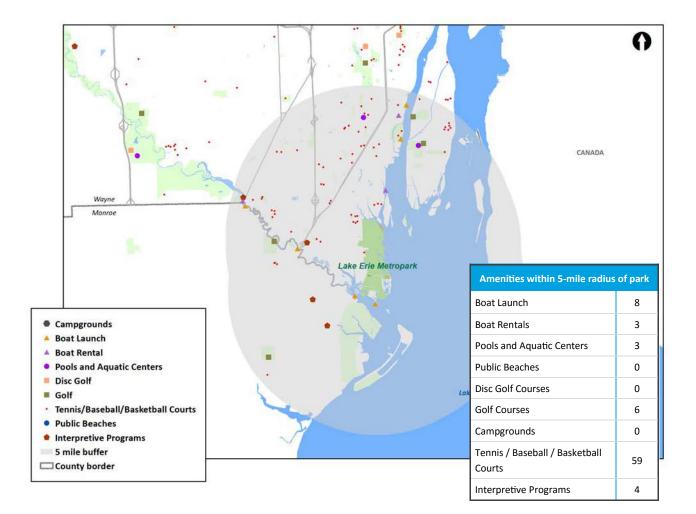
NEEDS

Identify areas of facility duplication for repurposing and consolidation

Provide unique recreational facilities to draw visitors from across the region

OPPORTUNITIES

NEARBY FACILIITES



Lake Erie Today

NEEDS

Work with county and local communities to address any park boundary issues

Create good working relationship with neighbors and partner organizations

OPPORTUNITIES

Grants

Over its history Lake Erie has received six grants from the DNR for the museum/nature center, trails, marina point, and more. The land specified as the project area of those grants was encumbered in perpetuity meaning it may never be converted into a private or non -recreational use. Approximately 98% of Lake Erie is encumbered, as shown on the following page.

The generous grants from the DNR and other sources have allowed Lake Erie Metropark to develop the highquality recreation it offers to the public today.





Encroachments

The Planning Department has worked with Lake Erie park staff to identify external encroachments on park boundaries. These include private development on park property, dumping waste, and breaking through fence lines. Together with a new combined map of county parcels in relation to historic HCMA-created parcels, this will help staff resolve existing property issues.

Since Lake Erie abuts several residential areas, it is important to work with neighbors to discourage illegal paths into the park and identify areas where a formal pedestrian entry point may be necessary to serve a neighborhood.

Informal Access Points

Certain spots on the park border are open to pedestrian access but not formally designated as an entrance. These must be monitored and considered in the planning process. Individuals may park on adjacent streets and enter the park on foot, affecting the tolling revenue of the park and potentially causing negative traffic impacts on the surrounding neighborhood.

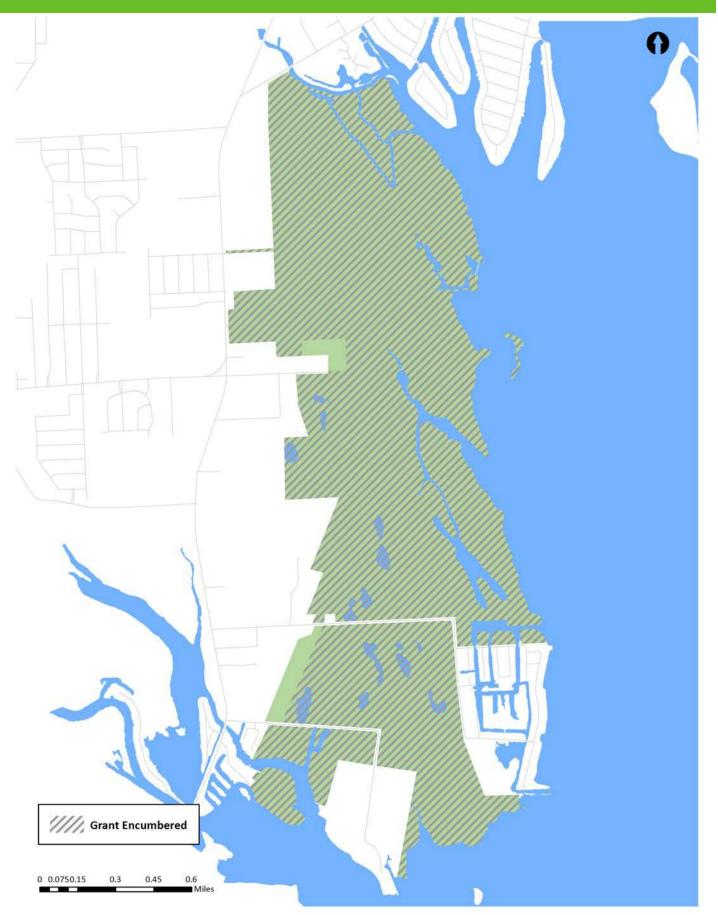
Easements

Lake Erie contains various utility easements, meaning that utility providers are allowed to use certain sections of land to run power lines or other equipment, in order to provide service to the surrounding area. In the future, the Metroparks will collaborate with surrounding municipalities and agencies to link into existing utilities rather than building park-specific utilities—thus furthering the vision of a lean, efficient park system.

Adjacent Property Uses

Surrounding the park is predominantly single family residential. The eastern boundary is the shoreline of Lake Erie while west of the park includes a large tract of land occupied by the South Huron Valley Wastewater Treatment Plant.

Lake Erie Today



Vehicular Wayfinding

Standardization

Recently Metroparks updated signage installed at various times with various standards and designs. This did not reinforce the parks working together as a system and could be confusing for visitors. As older signs reached the end of their lives, they were replaced with new, standardized signs.

Simplicity

In many parks, including Lake Erie, an abundance of signage was not necessarily useful for directing visitors. Efforts were made to minimize the duplication of signs to express sign information simply in order to make navigation easier for users of the park.

Symbols

Symbols are useful for expressing information in a small amount of space, and also make park facilities more accessible for visitors who have trouble reading or speaking English. A standard set of symbols has been developed to be used in wayfinding signage.

Trail Wayfinding

Standardization

Trail types present in the Metroparks include shared use, mountain bike, ski, nature and rustic, and equestrian. Despite their different functions, these trails together create a complete recreation system, so signage will be based on a uniform template.

Flexibility

In order to serve the differing needs of users on these various trail types, the signage template will allow for removable panels and be customized to fit the needs of that user group.

Legibility

For many people, the easiest way to orient oneself in a new environment is through use of a map. For greater ease of use, all new trail wayfinding signs will include a map marked with a "you are here" symbols and the location of important park features and amenities.

Wayfinding

NEEDS

Replace outdated, confusing, inconsistent signs

Create consistent, convenient wayfinding system to give visitors confidence

OPPORTUNITIES



Examples above of trail wayfinding signage at other Metroparks

Lake Erie Today

Trails 📈

As part of the master planning process, staff have categorized and defined the various types of trails in the park, inventoried the miles, and specified the uses and design of each. This formal listing allows for assessment of availability of trails for various users in comparison to user group demand. It will also lead to more standardized maintenance and rule enforcement processes.

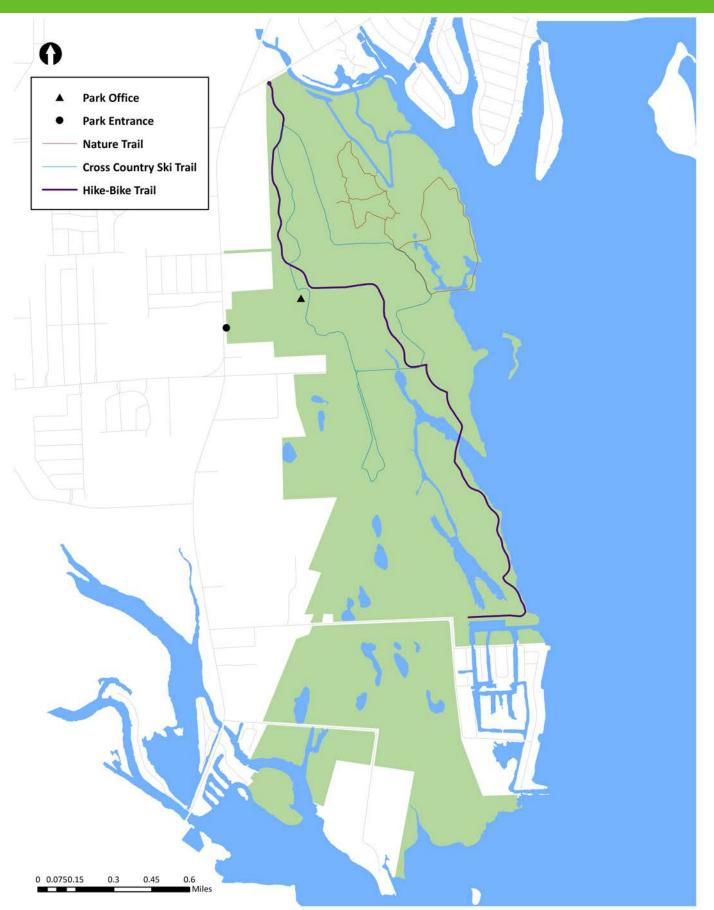


Trail Type	Miles in park	Allowed Uses	Prohibited Uses	Surface
Shared-Use Trail (Hike-Bike Trail)	3	Non-motorized traffic and pets.	Horses and motorized vehicles such as golf carts, scooters and hover -boards.	10' wide, typically asphalt, some small sections may be concrete or boardwalk.
Nature Trail	3.93	Pedestrian use only; hiking and walking. Snowshoeing is permitted on all Nature Trails except those designated for cross-country skiing. Cross-country skiing is permitted on designated trails only.	Motorized vehicles, running, jogging, pets, bikes and horses.	Trail surfaces vary and include asphalt, aggregate, mulch and compacted earth. Portions of these trails are accessible, but most are not ADA-compliant.
Cross-Country Ski Trail	3.85	Cross-country skiing only. Many are used for other activities during the summer.	Motorized vehicles, snowshoes, hiking, bikes, horses and pets.	Snow covered.

Lake Erie includes over 10 miles of trails. Located uniquely along Lake Erie and situated at the mouth of the Huron River, the park is notable for its expanse of beautiful shoreline and the open water. Visitors can enjoy the scenic views on the hike-bike trail, nature trails, and boardwalks.

Lake Erie Today

Trails Map



Lake Erie Today

Accessibility

To remain compliant with the Americans with Disabilities Act, the Metroparks are responsible for ensuring that park space is accessible to all members of the public. In the development of this master plan, planning staff has taken an active role in locating the less accessible park amenities, so that all guest can enjoy the park. A survey of several areas has resulted in a list of accessibility issues present at Lake Erie Metropark. These areas are highlighted below and shown on the map on the following page.

NEEDS

Pursue improvements to park accessibility

Ensure that users of all abilities feel empowered to take full advantage of the park

OPPORTUNITIES

Area	ID #	Description
Restrooms	1	Restrooms need to be updated for accessibility at marina and cove point
Nature Trails	2	Nature trail surface needs to be improved to meet ADA standards
Great Wave Area	3	Improved ramp access from parking spaces and connection to basketball courts
Park Office	4	Parking lot signs and van signs needed
Marshlands Museum	5	Parking lot striping and improved ramp access
Marina	6	Parking lot striping and van signage
Boat Launch	7	Parking lot signs and van signs needed

By working with the ADA Checklist provided by the ADA National Network and the Institute for Human Centered Design, the Metroparks are able to prioritize accessibility improvements of park entrances, services, public restrooms, and other park amenities. The areas mentioned, in addition to others, were identified using the recommended methods for all HCMA parks.

Lake Erie Today

Accessibility Map



REVENUE

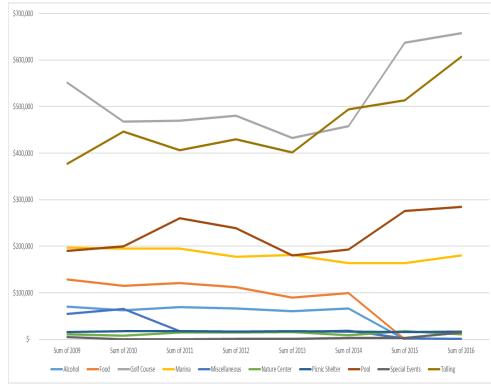
Revenue Sources

NEEDS

Diversify sources of revenue

Offer new and exciting activities/ programs to visitors to both boost tolling and gather user fees

OPPORTUNITIES



The Metroparks 2016 General Fund revenue equaled \$50,531,202. Lake Erie's 2016 operations revenue was approximately \$1,772,477, comprising 3.5% of all Metroparks revenue.

Lake Erie budgeted 2017 operations revenues are \$1,783,025, while estimated 2017 operations expenses are \$3,834,095. Property tax and other revenue is estimated to subsidize 53% (\$2,051,070) of the Lale Erie operating budget.

As the chart illustrates, the majority of revenue (approximately 37%) comes from the golf course.

2016 Operations Revenue

Revenue Source	2016 Total	% of Revenue
Golf Course	658,080	37
Tolling	606,615	34
Wave Pool	284,243	16
Marina	180,187	10
Picnic Shelter	16,800	1
Marshlands Museum	10,846	1
Miscellaneous	996	0.1

TOTAL: 1,772,477



Revenue

Yisitors

Lake Erie Metropark is a regional park and can draw from the approximately 4,200,000 Michigan residents that live within a 30 mile radius (approximately a 45-minute drive) of the park. Certain events and activities may draw visitors from greater distances.

Vehicle entries to Lake Erie Metropark have hovered between 156,000 and 221,000 since 2009, fluctuating through the years but experiencing a slight decline overall. Weather often plays a role in attendance to the park; activity areas greatly affected by weather are the trails, nature center and golf course. This may explain the dip in attendance visible in 2014.

Consolidation of statistical information is needed to better assess vehicle entries, park users, event attendance, event participants and activity participation within the park. This information will help with marketing of events, activities and future analysis of the park.





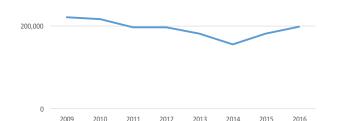
NEEDS

Target market strategy

Take advantage of proximity to urban population to grow revenue and system awareness

OPPORTUNITIES

Vehicle Entries Year 2009-2016







400,000

Revenue

Programs & Events



Summer Discovery Cruise



Hawkfest



Day camps

NEEDS

Increase revenue and visitation

Build on enthusiasm of Lake Erie visitors with exciting, engaging programs and events

OPPORTUNITIES

Lake Erie hosts dozens of events each year, organized either by park staff or outside groups. Many of these are interpretive programs for both children and adults to explore the natural and cultural assets of the park. Some promote artistic enrichment, and others encourage physical activity or advocate for a cause. This designated "Important Bird Area" is one of the premier hawk -watching sites in North America highlighted by the annual Hawkfest. A series of popular events that offer a unique experience include the Summer Discovery Cruise and day camps for kids.

Recent events include:

- Marsh Meander
- Whitetail Wisdom
- Shoreline Clean-up
- They're Back: Birding Adventure
- Snapping Turtle Tales
- Carve a Fish Decoy
- 21st Amendment: End Prohibition Festival
- Full Buck Moon Hike
- Marshlands Dragons
- Whooo's There?
- Fish Camp
- Michigan Moth Night
- Lens Cap
- Coffee Club
- Lots of Lovely Lotus
- Full Sturgeon Moon Hike
- Talkin about Ospery
- Grandparents Day Make n Take
- BOO!! The History of Halloween
- Fairy Tales and Forecasting
- Hearts of Love
- Tundras and Snowies

DRAFT COMMUNITY INFLUENCES

Population

The population of the communities surrounding Lake Erie is aging rapidly and changing in mobility. The percentage of households without access to an automobile is gradually rising in the region, Wayne County, and at a modest trend downward for the municipalities directly surrounding Lake Erie. The Metroparks were created at the time of the auto boom, when it was assumed that every family would have a car to take out to the countryside on the weekends. Since habits and lifestyles are changing, the Metroparks must look into innovative ways to provide access to the parks for all.

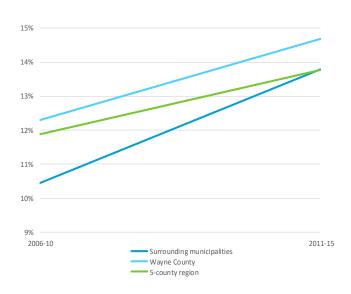
NEEDS

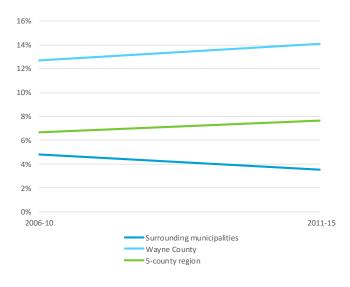
Address changing needs of new population demographics

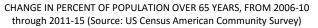
Draw new users with a connected, accessible, welcoming and safe park environment

OPPORTUNITIES

The percentage of individuals over 65 years of age is rising quickly in the region, in Wayne County, and most dramatically in communities surrounding the park. Older adults have distinct needs, often requiring accommodations for mobility and accessibility of park features such as trails and buildings. This is important to keep in mind when planning the future of a park serving an older population.







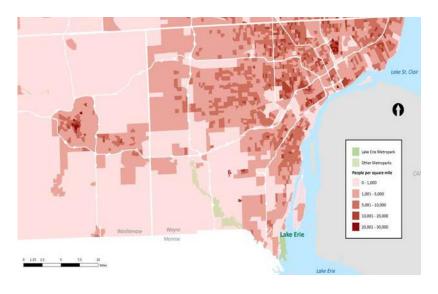
CHANGE IN PERCENT OF HOUSEHOLDS WITH NO CARS AVAILABLE, 2006-10 through 2011-15 (Source: US Census American Community Survey)

Community Influences

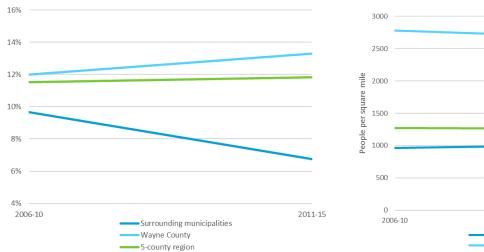
As shown below, Lake Erie is located in a lower residential density area than many other Metroparks, with the majority of land use characterized as single family residential. The areas directly bordering the park have an average population between 1,000 and 5,000 people per square mile. Associated with the noted demographic change will be the impact on housing trends. The aging baby boomers will seek different housing options than past generations of seniors. The desire will be for mixed use walkable environments with more compact smaller housing units, along with more time for passive recreational opportunities that will continue to increase in the surrounding communities.

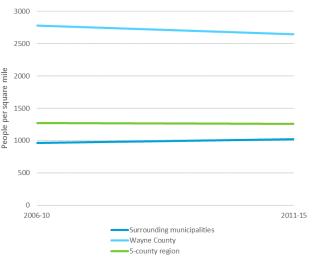
While on average the 5-county region and Wayne County is falling in population density, the average population density in the surrounding municipalities has risen slightly , creating increased demand for recreation in the area. The estimated population from 2006-2010 to 2011-2015 slightly decreased –0.8% for the city of Gibraltar while Brownstown Township increased 4.3%.

Although most households in the area still speak English as their first language, Wayne County and the region at large are seeing a slight increase in households speaking languages other than English at home. Because of this growing linguistic diversity the Metroparks are working towards more universal signage design, with a focus on easily understandable symbols. Both Gibraltar and Brownstown Township do not follow this trend, having decreased numbers of speakers of other languages.



POPULATION DENSITY BY CENSUS TRACT, 2010-14





CHANGE IN PERCENT OF HOUSEHOLDS SPEAKING LANGAGE BESIDES ENGLISH AT HOME, 2006-10 through 2011-15 (Source: US Census American



Community Influences

NEEDS

Improve connectivity within the park and with the community

Create good working relationship with surrounding municipalities

OPPORTUNITIES

Understanding the goals and plans of municipalities bordering and/or containing Lake Erie is essential for a collaborative, comprehensive planning process. Planning staff researched the published master plans and recreation plans of surrounding municipalities, counties, and other agencies. These provided a basic idea of the direction planned for each, especially regarding land use, development, and recreation.

Parks and Recreation Master Plan 2014-2019 Gibraltar, Michigan

 Consider the waterfront access potential of any new development or redevelopment activities as integral to meeting community recreation needs and utilizing the City's prime natural and recreation resource.

Brownstown Township Master Plan, 2008

 The southern portion of Brownstown is predominantly residential, care must be taken to ensure compatibility between land uses, especially near West Jefferson Avenue, where neighborhood commercial uses are planned.

Downriver Linked Greenways Initiative (DLGI) Master Plan, 2008

 Twenty-one (21) communities, along with many partners including Huron-Clinton Metroparks, stepped forward and began to map how various trail connections could be made, completed a master plan, and currently being implemented community wide.

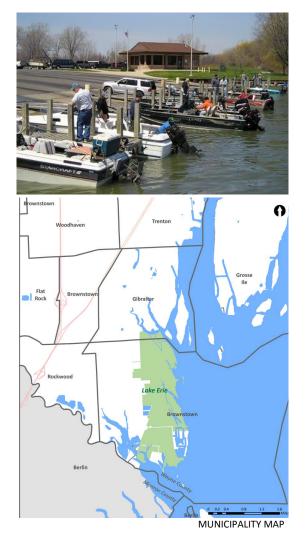
Projects/Initiatives

Brownstown DDA Area Market Assessment & Implementation, July 2016

 New housing and retail planned in the Town Center along with substantial investment underway in expanding commercial with passive and active recreation activities.

Detroit River International Wildlife Refuge

 Both the visitor center and boat dock/fishing pier are still under construction; completion is estimated in spring 2018.



Community Influences

Relevant Planning Documents

Parks and Recreation Master Plan 2014-2019 Gibraltar Brownstown Township Master Plan, 2008 City of Gibraltar Master Plan, 2002 Downriver Linked Greenways Initiative Master Plan, 2008 SEMCOG Green Infrastructure Vision, 2014

"The existence of the Lake Erie Metropark...creates an opportunity for reinvestment into unique neighborhoods and commercial areas. Goals for this area should include emphasizing the waterfront aspect to help create a sense of place and maintain an emphasis on recreation.

." pg. 30

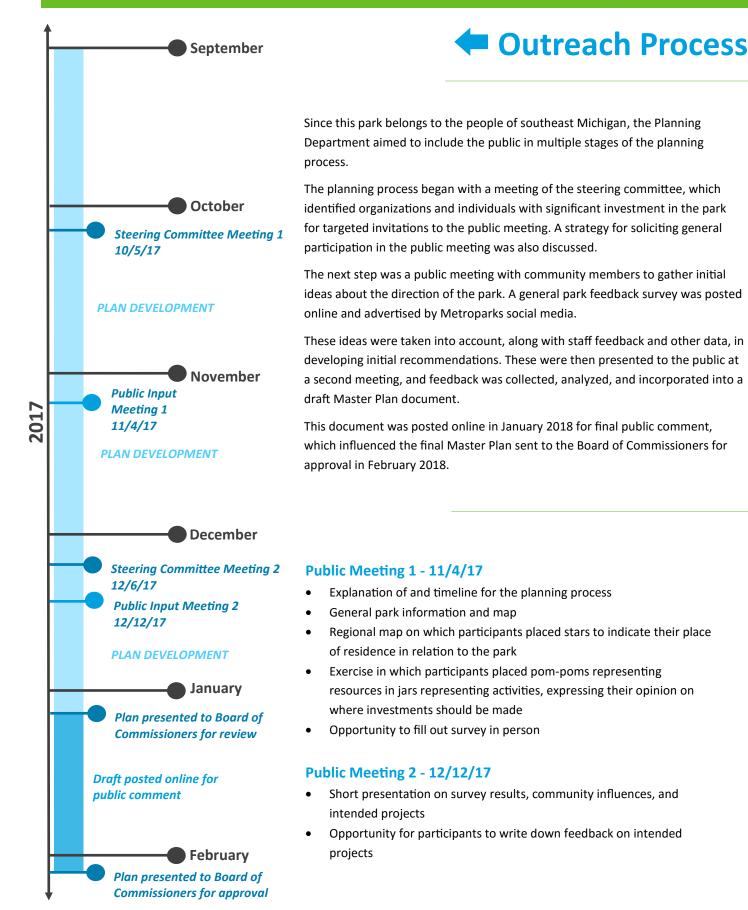
"The East West Connector was the first 'keystone' project of the DLGI connecting the non-motorized trail systems in Lower Huron, Willow, and Oakwoods Metroparks, through Flat Rock, Brownstown, Rockwood, and Gibraltar and connecting into the trail system at Lake Erie." pg. 12 "Public accessibility to the green infrastructure network is paramount, including access to parks, trails, water, and ensuring public spaces are designed for all residents." pg. 1

Since the development and land use decisions of bordering communities and other governmental agencies directly impact the park, these neighbor master plans were reviewed and taken into account when creating this document. The opinions and ideas expressed by residents and leaders in these municipalities give Lake Erie a wider context and in many cases underscore the importance of the park's resources to citizens.

Lake Erie Metropark is part of a broader system of recreation and green space that includes other Metroparks as well as local, county, and state parks and greenways. Due to this, recreation and green infrastructure plans were also considered in creating the Lake Erie Master Plan. Many communities are currently advancing their nonmotorized networks, seeking grant funding to create greenways and paths, and cooperating to provide linked green and recreation spaces to their constituents.



PUBLIC INPUT



Public Input

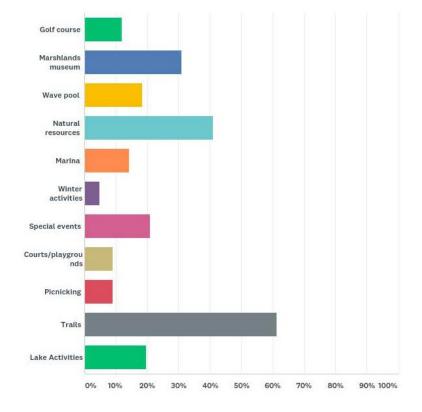
Results 🔨

Located along the Lake Erie shoreline, the park provides expansive access for boating and kayaking as well as the opportunities for nationally recognized birding area with high quality habitat and shore fishing. Suggestions for amenities along the trails used by bikers and hikers, and overall better access to the park facilities was a common theme gathered throughout all public participation efforts.

Specifically, the most frequent comments favored more access within the park with hours of operation at the Marshlands Museum, waterfront access and pool area. The extension of the the hike-bike path and improvements to the nature trails complimented the need for more access within the park. This was followed by additional park amenities which included a wide range of improvements including fitness equipment, kayak launch improvements, resting benches and shade trees along the hike-bike trail.



Q6: What is your favorite part of the park or activity within Lake Erie Metropark? (Choose up to 3.)



Public Input

Planning Department staff also spent two days performing intercept surveys at both the Post Regional Open Meet crosscountry race event hosted at the park and at the Santa's Workshop event at nearby Oakwoods Metropark Nature Center. Respondents who were familiar with the park offered suggestions for additional benches and trails along the waterfront, and outdoor programs and facilities that cater to families.

Questionnaire Response Topics

Trails

- Improve nature trails (5) •
- Extend bike path(5) •
- Extend nature trails(2) •
- Add shade trees(2)
- Solar path lights •
- Trail etiquette(2)

Environment

- Add wildlife habitat(4) •
- Invasive plant management(2) •
- More nature(5) •
- Less pesticides

Maintenance

- Less mowing(6)
- Seeweed management(2) •
- Path maintenance •
- More trash cans •
- General improvements(2)

Special Events/Programs

- Interpretive/educational • programs(4)
- Marina events •
- Live music(2) •
- Movie nights(2)
- Home schooling program •
- Festivals •

This chart shows the distribution of questionnaire response topics, as categorized by planning staff. Some responses fell into more than one category, so they add up to more than 100%.

*Uncategorized responses lacked specific suggestions or consisted of only positive remarks.

Facilities/Infrastructure

- Buildings in wave pool area dated •
- Improve infrastructure •
- Kayak launch
- Dog park
- Disc golf •

Safety/Signage

- Less wave pool •
- Lower speed limit •
- Interpretive signage
- Better road signage

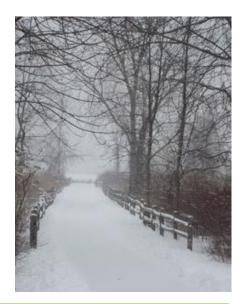
- Free access during events •
- Free programming
- Extend museum hours(16)
- Lower fees
- Longer pool hours
- Waterfront access(2) .
- No charge for boat trailer
- Shore fishing acess

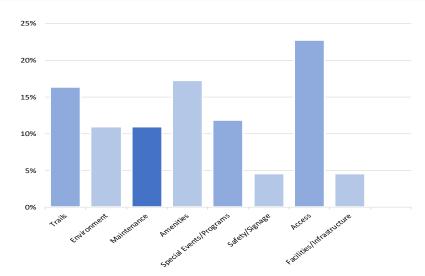
Amenities

- Adult fitness equipment(2)
- **Resting benches**
 - Water slide

Kayak launch improvements(2)

- Zip line(2)
- Shade trees
- Hot air ballon
- TV or music at pool
- Water pumps on trails
- Bonfire pits
- Splash pad(2) •
- Additional playgrounds
- Beach/swim area(2)





- More lights at museum

Access

Public Input

Participation



The Lake Erie Master Plan online and hard copy questionnaire received 215 responses and 29 individuals attended the two public meetings. As shown below, the questionnaire drew responses from the entire southeastern metropolitan Detroit region and beyond, but were mostly concentrated around the park itself.

Survey Response Zip Code Map

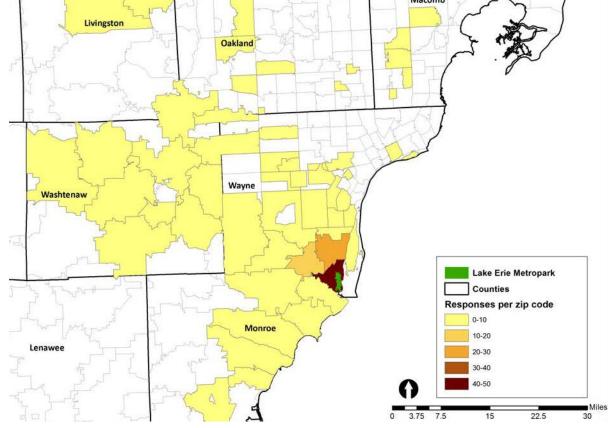
NEEDS

Incorporate variety of opinions and user groups into master plan

Create vibrant park through robust, transparent public outreach

OPPORTUNITIES





DRAFT Action Plan

Needs & Opportunities

Based on the assessment of park conditions, demographic research and spatial analysis, public input, and staff input, the needs and opportunities listed throughout this document were developed.

Needs

- Continue to draw diverse range of visitors to the park
- Define and protect areas with important biodiversity features
- Better educate the importance of preserving important cultural features
- Address aging and overbuilt infrastructure
- Identify areas of facility duplication for repurposing and consolidation
- Work with county and local communities to address any park boundary issues
- Replace outdated, confusing, inconsistent signs
- Pursue improvements to park accessibility
- Diversify sources of revenue
- Target market strategies
- Increase revenue and visitation
- Address changing needs of new population demographics
- Improve connectivity within the park and with the community
- Incorporate variety of opinions and user groups into master plan

Opportunities

- Build on park character to attract new visitors
- Create a resilient network of biodiverse areas in the park
- Draw new visitors with programming/education based on history of park
- Redevelop park areas to better serve visitors and environment
- Provide unique recreational facilities to draw visitors from across the region
- Create good working relationship with neighbors and partner organizations
- Create consistent, convenient wayfinding system to give visitors confidence
- Ensure that users of all abilities feel empowered to take full advantage of the park
- Offer new and exciting activities/programs to visitors of the park to both boost tolling and gather user fees
- Take advantage of proximity to urban population to grow revenue and system awareness
- Build on enthusiasm of Lake Erie visitors with exciting, engaging programs and events
- Draw new users with a connected, accessible, welcoming and safe park environment
- Create good working relationship with surrounding municipalities
- Create vibrant park through robust, transparent public outreach

With these in mind, the following list of projects, plans, and studies was developed. Major and minor projects have been identified as priorities and assigned a timeline, and the accompanying studies have been listed. These pages should serve as a blueprint for the future of the park over the next ten years.





Large Facilities

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2018-2022)	Mid-Term (2023-2027)	Long-Term (10+ years)
Implement Marshlands Museum rehabilitation strategy	Engineering	Interpretive	Foundation, Contractors, Consultants	TBD	x	x	x
Implement Marina selective redevelopment strategy	Engineering	Planning, Operations, Maintenance	Foundation, Contractors	TBD	x	x	x
Implement Great Wave Area selective redevelopment strategy	Engineering	Planning, Operations, Maintenance	Contractors	TBD	x	x	x
Golf Course: cart path replacement, replace pumphouse, intakes	Engineering	Operations, Maintenance	Contractors	TBD	x	x	
Implement Boat Launch selective redevelopment strategy	Engineering	Operations, Planning	Foundation, Contractors	TBD	x	x	x







Action Plan

Infrastructure / Small Facilities

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2018-2022)	Mid-Term (2023-2027)	Long-Term (10+ years)
Accessibility improvements, including interiors and walkways - parkwide	Engineering	Planning, Operations	Contractors	TBD	x	x	x
Tennis court replacement with volleyball court	Engineering	Operations, Maintenance	Contractors	\$30,000	x		
Park office interior and site landscaping improvements	Engineering	Planning, Operations, Maintenance	Contractors	TBD		x	x
Add rip rap shoreline in Cove Point area	Engineering	NR, Operations, Maintenance	Contractors	TBD		x	
Pavement projects: main park roads, parking lot overlays as needed	Engineering		Contractors	\$1,100,000	x		
Implement Maintenance Yard redevelopment plan	Engineering	Operations, Planning Maintenance	Contractors	TBD	x		
Hike-bike trail connectivity improvements: park office, shoreline near Great Wave (loop development)	Engineering	Planning, Operations, Maintenance	Contractors	TBD		x	x
Replace or remove service road bridge between Food Bar and maintenance building	Engineering	Operations, Maintenance	Contractors	\$100,000- 400,000	x		
Rehabilitate existing boardwalks along nature trails, improve trails as necessary	Engineering	NR, Interpretive		\$100,000		x	

Natural Resources

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2018-2022)	Mid-Term (2023-2027)	Long-Term (10+ years)
Vegetation management (annual)	NR	Planning, Operations	Contractors	\$30,000.00	x	x	x
Hazardous waste removal (annual)	NR			\$2,000.00	х	x	x
Early detection rapid response. Invasive species surveys and control in high quality natural areas (annual)	NR	Interpretive	MDNR	\$12,000.00	x	x	x
Eastern Prairie Fringed Orchid conservation (federally threatened species)	NR		MDNR/USFWS	\$20,000.00	x	x	x
Nuisance animal control	NR		NGOs	\$3,000.00	x	x	x
Conduct prescribed fire in fire adapted communities	NR		Contractors	\$4,000.00	x	x	x
Oak wilt control and prevention	NR	Operations, Interpretive	MDNR	\$4,500.00	x	x	x
Entrance grasslands restoration	NR		Contractors	\$40,000.00		x	x
Wetland complex restoration	NR		MDNR, NGOs	\$40,000.00	х	x	x





Signage

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2018-2022)	Mid-Term (2023-2027)	Long-Term (10+ years)
Nature trail wayfinding updates	Planning	Operations, Interpretive		\$1,000.00	х		
Develop and install interpretive signage	Interpretive	Operations, Planning		\$5,000.00	x		



Area Plans/Studies/Initiatives

After identifying the need for changes or improvements based on user feedback and staff research, in-depth evaluation and planning must be carried out to gain a detailed understanding of problems and opportunities and determine the best strategies based on existing conditions and resources. Sometimes a process to formally monitor facility usage and gauge popularity is necessary. These studies often result in a scope of work, a work plan, and in some cases a site plan that give staff a roadmap for planned changes. Recommended studies are listed below:

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2018-2022)	Mid-Term (2023-2027)	Long-Term (10+ years)
Marshlands Museum rehabilitation strategy: remove exterior patio wall, replace exterior building lighting, modernize interpretive exhibits	Planning	Interpretive, Engineering		staff time	x		
Marina selective redevelopment strategy: minor interior/exterior building improvements, updates to electrical and exterior lighting, pier and sheet pile replacement, move dredging spoils, determine dredging plan/ schedule, entrance beautification, accessibility improvements, develop alternative classroom on site (upper floor for storage only, no public access)	Planning	Engineering, Operations, Maintenance, Inerpretive		staff time	x		
Great Wave Area selective redevelopment strategy: replace pool with new feature utilizing existing mechanical building, retain and repurpose existing buildings, evaluate opportunities for additional restrooms	Planning	Engineering, Operations, Maintenance		staff time	x		
Boat Launch selective redevelopment strategy: replace skid piers, add riprap to address shoreline erosion, evaluate channel dredging necessity, evaluate opportunity for developing a fish cleaning station and possibly add a picnic shelter	Planning	Engineering, Operations, Maintenance, NR		staff time	x		

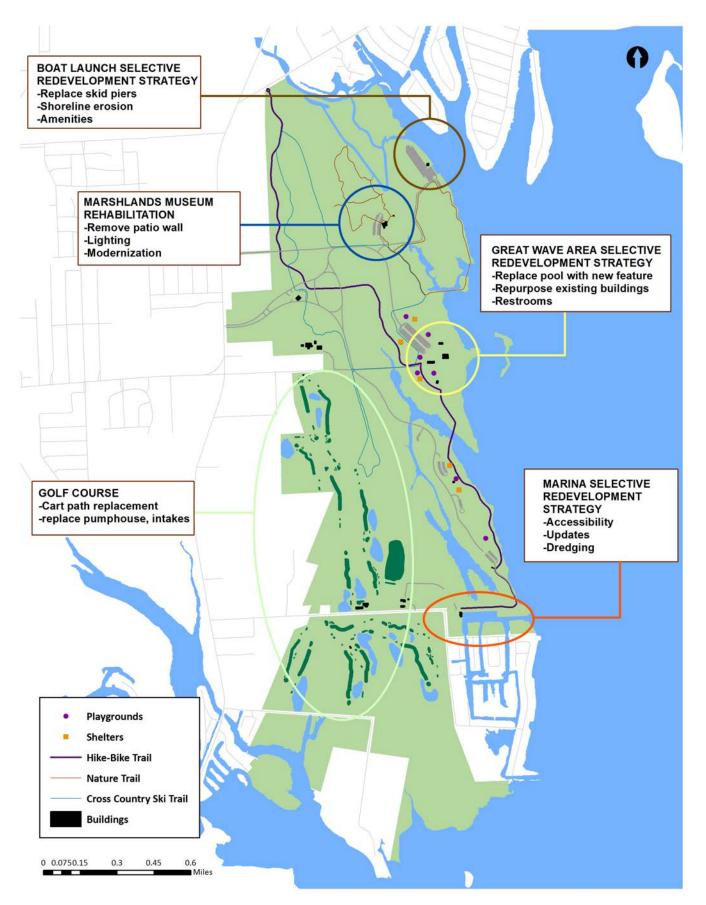
Action Plan

Area Plans/Studies/Initiatives (cont'd)

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2018-2022)	Mid-Term (2023-2027)	Long-Term (10+ years)
Maintenance Yard redevelopment plan: replace carpenter shop, add heated storage space	Planning	Engineering, Operations, Maintenance		staff time	x		
Develop storage solution and annual removal strategy for lake weeds	NR	Maintenance, Engineering, Planning	Contractors	staff time	x	x	x
Sustainability initiatives	NR	Operations, Planning, Engineering		TBD	x	x	x
Establish invasive species control tracking website	NR	Web, IT	MNFI, MISIN	staff time	x		
Stormwater monitoring	NR			\$5,000	x	x	x
Herpetological surveys	NR		NGOs	\$15,000	x	x	x
European Frog Bit control research	NR		Local universities	\$20,000	x		
Canoe/kayak access study throughout park	Planning	Engineering, NR, Operations, Interpretive	HRWC	TBD		x	

Action Plan

Key Project Map



Action Plan

Key Projects

Boat Launch Selective Redevelopment

2018-2027

The boat launch area includes restrooms and a launch for kayaks and canoes. The selective redevelopment strategy over the next ten years will consider replacing the skid piers, add riprap to address shoreline erosion, and evaluate the necessity for channel dredging. Furthermore, additional amenities including the opportunity for developing a fish cleaning station and picnic shelter will be studied.

Needs:

- Shoreline erosion
- Amenities
- Beautification

Solutions:

- Rip rap
- Fish cleaning station
- Picnic shelter



Marshlands Museum Rehabilitation

2018-2027

The Marshlands Museum offers a rich cultural and natural heritage of the Downriver/Lake Erie shore region through exhibits and interpretive programs. The history of waterfowl hunting is brought to life with artifacts and photos featuring all phases from boats to decoys. The museum needs the interpretive exhibits to be updated. Furthermore, building improvements and site improvements include removal of the exterior patio wall and replacement of the exterior lighting.

Needs:

- Access
- Updates to facility
- Interpretive program

Solutions:

- Remove patio wall
- Replace exterior lighting
- Modernize interpretive programs
- Hours of operation



Great Wave Area Selective Redevelopment

2018-2027

The "Great Wave" area at Lake Erie Metropark offers a three-foot wave action pool, a new spray area with ground sprays and dumping water features. A playground, wet shop and food bar faciliities are also included in this area. The "Great Wave" area is considering consolidation with upgrades to the buildings over the next ten years.

Needs:

- Facility upgrades
- Pool improvements
- Commercial revenue generator

Solutions:

- New pool feature
- Repurpose existing buildings
- Restroom additions



Golf Course Improvements

2018-2027

This 6,489 yard, par-72 golf course is surrounded by natural wetlands and features gently rolling, bunkered fairways, and 20 acres of ponds. The facility includes a golf shop, food bar, and driving range. Maintenance improvements prioritized over the next ten years include updates to the irrigation system with the replacement of the pumphouse and intake pipes.

Needs:

- Repairs
- Maintenance
- Facility upgrades

Solutions:

- Replace pumphouse, intakes
- Cart path replacement



Action Plan

Marina Selective Redevelopment

2018-2027

The Marina features more than 100 wells complete with water and electricity for season dockage and operates between April and October. Daily transient dockage is also available for boats up to 35 feet in length. The Marina facility is connected by a paved trail to the Marina Point Observation Deck and Fishing Site. The next ten years will involve developing strategies for the building, site, and programming needs. In addition, any building and site improvements will need to consider compliance with the Americans with Disabilities Act (ADA).

Needs:

- Access (water and community)
- Underutilized
- Modernization

Solutions:

- Building and site improvements
- Interpretive programming
- Additional landscaping/beautification
- Dredging
- Kayak launch
- Wifi



Natural Resources Management

2018-2027

Limited development and recreation is allowed in the high quality protected natural resource areas of the park. Continued as top priorities in the park, efforts including sustainability initiatives, vegetation and invasive species management, and habitat restoration will be performed by the Natural Resources staff.

Needs:

- Continue maintaining and restoring high quality natural resource conditions
- Natural systems take precedence over visitor accommodation
- Protect important habitat

Solutions:

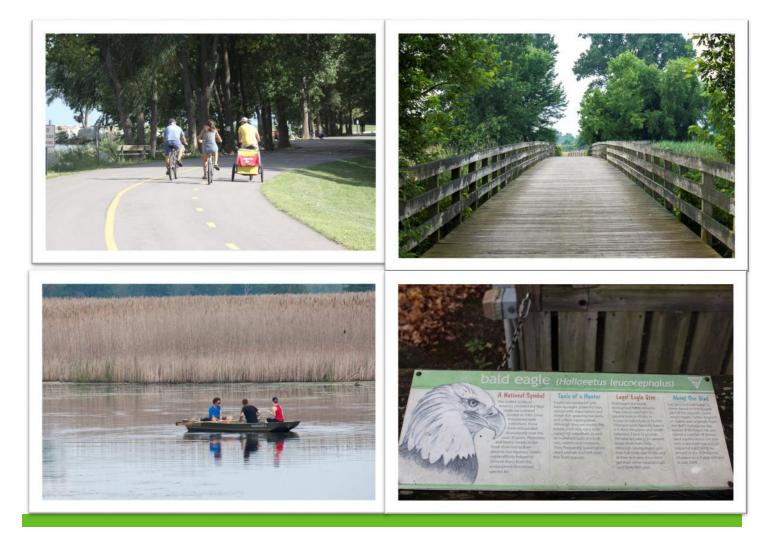
- Continue vegetation and invasive species management
- Sustainability initiatives



Action Plan

Other Projects

- Hike-bike trail connectivity improvements
- Interpretive signage
- Canoe/kayak access study throughout park
- Maintenance yard redevelopment plan
- Early detection rapid response (invasive species)
- Entrance grasslands restoration
- Rehabilitate boardwalks along nature trails, improve trails as necessary





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To.

Board of Commissioners From: Mike Brahm-Henkel, Manager of Engineering Project No: 711-17-043

Project Title: Bids – Oakwoods Nature Center Drywall and Painting Project Type: Major Maintenance Location: Oakwoods Metropark, Wayne County Date: January 4, 2017

Action Requested: Motion to Approve

That the Board of Commissioners' (1) award contract 711-17-043 to the second responsible bidder Design and Construction Consulting the in the amount of \$50.925; and (2) approve the transfer \$50.925 from Fund Balance to the Oakwoods Unallocated Major Maintenance account as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

Fiscal Impact: Funding was available in the Major Maintenance account in 2017; however, the funds were returned to Fund Balance at the end of 2017.

Scope of Work: The work includes the installation and framing for the installation of drywall, and associated painting of walled surfaces. The drywall surface will be placed over the existing block and wood walls at the Oakwoods Nature Center.

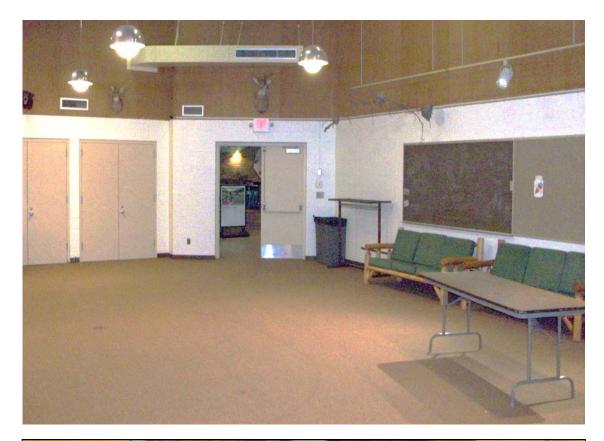
Background: The Oakwoods nature center needs upgrades to modernize the interior of the building. The project initiative and scope was formulated by the interpretive department working with staff and the engineering department.

Drywall is to be installed over some of the existing block walls to provide more interior options for wall enhancements as well as adding a different feel to the building. The building was originally constructed in 1973 and much of the interior still reflects this era. As stated in the contract documents, the Metroparks can award in any manner deemed in the best interest of the Authority. Based on previous experience with other vendors, staff recommends awarding the contract to the second bidder.

<u>Contractor</u>	<u>City</u>	<u>Amou</u>	nt
Resurrection Carpentry LLC	Livonia	\$45,70	00.00
Design and Construction Consulting	Rochester Hills	\$50,92	
Meridian Contracting Group LLC	Washington	\$61,50	00.00
Budget Amount for Contract Services		\$	0.00
Work Order Amount Contract Amount Design and Construction Consulting Contract Administration Total Proposed Work Order Amount		\$50,92 <u>\$ 3,00</u> \$53,92	00.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN

Attachment: Oakwoods Nature Center Photos





		MONTHLY VEH	ICLE ENTRIES	
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	13,831	12,575	11,594	19%
Wolcott Mill	4,596	2,948	3,945	17%
Stony Creek	16,905	14,392	14,710	15%
Indian Springs	2,541	2,480	2,405	6%
Kensington	31,093	30,186	32,514	-4%
Huron Meadows	4,813	4,406	3,151	53%
Hudson Mills	7,853	6,437	7,039	12%
Lower Huron/Willow/Oakwoods	27,744	44,999	30,040	-8%
Lake Erie	6,078	5,552	5,483	11%
Monthly TOTALS	115,454	123,975	110,881	4%

MONTHLY TOLL REVENUE									
Current	Previous		Pi	rev 3 Yr Avg	Change from Average				
\$ 43,133	\$	34,747	\$	28,781	50%				
\$ 833	\$	567	\$	294	183%				
\$ 85,211	\$	82,301	\$	81,867	4%				
\$ 14,873	\$	8,947	\$	8,234	81%				
\$ 89,593	\$	81,411	\$	71,291	26%				
\$ 13,686	\$	9,473	\$	3,847	256%				
\$ 25,590	\$	23,583	\$	19,766	29%				
\$ 31,062	\$	40,522	\$	27,860	11%				
\$ 20,827	\$	21,168	\$	20,147	3%				
\$ 324,808	\$	302,719	\$	262,087	24%				

	Y-T-D VEHICLE ENTRIES					
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average		
Lake St Clair	399,832	393,781	383,085	4%		
Wolcott Mill	69,133	67,678	62,144	11%		
Stony Creek	539,933	546,731	528,762	2%		
Indian Springs	88,529	93,472	87,466	1%		
Kensington	756,607	772,022	773,333	-2%		
Huron Meadows	96,432	100,356	94,136	2%		
Hudson Mills	209,235	209,256	209,768	0%		
Lower Huron/Willow/Oakwoods	572,894	565,626	531,232	8%		
Lake Erie	189,229	198,963	178,790	6%		
Monthly TOTALS	2,921,824	2,947,885	2,848,716	3%		

	Y-T-D TOLL REVENUE						
С	urrent		Previous	F	Prev 3 Yr Avg	Change from Average	
\$1,	495,063	\$	1,580,960	\$	1,358,925	10%	
\$	55,659	\$	8,853	\$	3,719	1397%	
\$2,	434,711	\$	2,392,492	\$	2,045,648	19%	
\$	283,564	\$	307,763	\$	265,095	7%	
\$2,	706,375	\$	2,498,989	\$	2,088,507	30%	
\$	90,738	\$	91,006	\$	82,951	9%	
\$	564,727	\$	539,050	\$	488,807	16%	
\$1,	063,960	\$	1,124,084	\$	948,909	12%	
\$	595,898	\$	615,120	\$	540,613	10%	
\$9,	290,695	\$	9,158,317	\$	7,823,173	19%	

	MONTHLY PARK REVENUE					
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average		
Lake St Clair	\$ 52,294	\$ 42,749	\$ 37,886	38%		
Wolcott Mill	\$ 38,718	\$ 39,966	\$ 28,597	35%		
Stony Creek	\$ 96,419	\$ 96,641	\$ 93,093	4%		
Indian Springs	\$ 20,720	\$ 15,980	\$ 15,257	36%		
Kensington	\$ 106,968	\$ 145,128	\$ 131,276	-19%		
Huron Meadows	\$ 22,886	\$ 14,605	\$ 6,427	256%		
Hudson Mills	\$ 30,977	\$ 26,653	\$ 25,151	23%		
Lower Huron/Willow/Oakwoods	\$ 32,866	\$ 42,860	\$ 29,441	12%		
Lake Erie	\$ 21,967	\$ 30,241	\$ 26,367	-17%		
Y-T-D TOTALS	\$ 423,815	\$ 454,822	\$ 393,495	8%		

	Y-T-D Vehicle Entries by Management Unit					
District	Current	Previous	Prev 3 Yr Avg	Change from Average		
Eastern	1,008,898	1,008,190	973,991	4%		
Western	1,150,803	1,175,106	1,164,703	-1%		
Southern	762,123	764,589	710,022	7%		

	Y-T-D PARK REVENUE						
Current	Previous	Prev 3 Yr Avg	Change from Average				
\$ 2,221,835	\$ 2,284,498	\$ 2,006,064	11%				
\$ 303,946	\$ 629,067	\$ 560,207	-46%				
\$ 4,073,738	\$ 4,107,972	\$ 3,657,495	11%				
\$ 1,111,741	\$ 1,159,289	\$ 1,059,440	5%				
\$ 4,369,780	\$ 4,525,605	\$ 3,981,217	10%				
\$ 903,721	\$ 917,608	\$ 847,668	7%				
\$ 1,117,014	\$ 1,082,908	\$ 1,028,995	9%				
\$ 2,775,130	\$ 3,064,015	\$ 2,729,269	2%				
\$ 1,662,272	\$ 1,779,767	\$ 1,641,058	1%				
\$ 18,539,177	\$ 19,550,728	\$ 17,511,412	6%				

Y-T-D Total Revenue by Management Unit						
Current	Previous	Prev 3 Yr Avg	Change from Average			
6,599,519	7,021,537	6,223,765	6%			
7,502,256	7,685,410	6,917,320	8%			
4,437,402	4,843,782	4,370,327	2%			

		MONTHLY ROUNDS					
GOLF THIS MONTH	Current	Previous	Prev 3 Yr Avg	Change from Average			
Stony Creek	0	0	0	-			
Indian Springs	0	0	0	-			
Kensington	0	0	0	-			
Huron Meadows	0	0	0	-			
Hudson Mills	0	0	0	-			
Willow	41	0	0	-			
Lake Erie	0	0	32	-			
Total Regulation	41	0	32	29%			
LSC Par 3	0	0	0	-			
LSC Foot Golf	0	0	0	-			
Total Golf	41	0	32	29%			

MONTHLY REVENUE							
Current	F	Previous	Pre	ev 3 Yr Avg	Change from Average		
\$ -	\$	-	\$	-	-		
\$ 33	\$	-	\$	-	-		
\$ -	\$	-	\$	-	-		
\$ -	\$	-	\$	-	-		
\$ 91	\$	-	\$	-	-		
\$ 246	\$	-	\$	-	-		
\$ -	\$	-	\$	1,270	-		
\$ 370	\$	-	\$	1,270	-71%		
\$ -	\$	-	\$	-	-		
\$ -	\$	-	\$	-	-		
\$ 370	\$	-	\$	1,270	-71%		

		GOLF ROUNDS Y-T-D					
GOLF Y-T-D	Current	Previous	Prev 3 Yr Avg	Change from Average			
Stony Creek	29,605	29,948	29,742	0%			
Indian Springs	24,483	23,434	23,408	5%			
Kensington	29,574	30,155	28,961	2%			
Huron Meadows	26,119	25,806	24,585	6%			
Hudson Mills	16,707	15,686	15,990	4%			
Willow	22,158	25,504	23,182	-4%			
Lake Erie	22,739	25,282	23,879	-5%			
Total Regulation	171,385	175,815	169,747	1%			
LSC Par 3	7,134	7,975	7,845	-9%			
LSC Foot Golf	788	1,063	812	-3%			
Total Golf	179,307	189,840	183,498	-2%			

GOLF REVENUE Y-T-D							
	Current		Previous	F	Prev 3 Yr Avg	Change from Average	
\$	946,659	\$	958,622	\$	871,336	9%	
\$	691,437	\$	698,941	\$	603,957	14%	
\$	892,544	\$	924,501	\$	760,720	17%	
\$	789,842	\$	698,022	\$	639,608	23%	
\$	402,570	\$	321,525	\$	317,334	27%	
\$	625,700	\$	701,238	\$	638,708	-2%	
\$	636,756	\$	657,977	\$	535,733	19%	
\$	4,985,507	\$	4,960,826	\$	4,367,396	14%	
\$	43,346	\$	46,592	\$	50,218	-14%	
\$	5,427	\$	9,094	\$	5,998	-10%	
\$	5,034,280	\$	5,049,909	\$	4,456,947	13%	

	PATRONS THIS MONTH					
AQUATICS THIS MONTH	Current	Previous	Prev 3 Yr Avg	Change from Average		
Lake St. Clair	0	0	0	-		
Stony Creek Rip Slide	0	0	0	-		
KMP Splash	0	0	0	-		
Lower Huron	0	0	0	-		
Willow	0	0	0	-		
Lake Erie	0	0	0	-		
TOTAL Aquatics	0	0	0	-		
AQUATICS Y-T-D		PATRONS Y-T-D				
	Current	Previous	Prev 3 Vr Avg	Change from		

	FAIRONS ITTE					
AQUATICS Y-T-D	Current	Previous	Prev 3 Yr Avg	Change from Average		
Lake St. Clair	41,488	50,880	49,174	-16%		
Stony Creek Rip Slide	27,943	34,828	35,325	-21%		
KMP Splash	38,298	46,678	45,993	-17%		
Lower Huron	81,096	97,033	93,175	-13%		
Willow	18,328	21,003	19,610	-7%		
Lake Erie	28,519	35,603	37,718	-24%		
TOTAL Aquatics	235,672	288,882	283,534	-17%		

MONTHLY REVENUE											
Current	Previous		Pre	v 3 Yr Avg	Change from Average						
\$ -	\$	-	\$	0	-						
\$ -	\$	-	\$	-	-						
\$ -	\$	-	\$	693	-						
\$ -	\$	-	\$	-	-						
\$ -	\$	-	\$	-	-						
\$ -	\$	-	\$	37	-						
\$ -	\$	-	\$	731	-						

REVENUE Y-T-D											
Current		Previous	F	Prev 3 Yr Avg	Change from Average						
\$ 204,883	\$	256,818	\$	213,890	-4%						
\$ 138,334	\$	182,464	\$	143,136	-3%						
\$ 228,952	\$	274,210	\$	241,712	-5%						
\$ 816,760	\$	958,957	\$	904,570	-10%						
\$ 92,276	\$	106,762	\$	97,437	-5%						
\$ 229,709	\$	284,151	\$	229,972	0%						
\$ 1,710,914	\$	2,083,754	\$	1,848,760	-7%						

		Seasonal Activ	ities this Month		Monthly Revenue		le					
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average		(Current	F	Previous	Pre	v 3 Yr Avg	Change from Average
Lake St. Clair												
Welsh Center	1	3	2	-50%		\$	800	\$	1,900	\$	633	26%
Shelters	1	2	1	50%		\$	400	\$	400	\$	1,258	-68%
Boat Launches	2	1	5	-60%		\$	-	\$	-	\$	-	-
Marina	0	0	0	-		\$	-	\$	-	\$	-	-
Mini-Golf	0	0	0	-	1 [\$	-	\$	-	\$	-	-
Wolcott					11							
Activity Center	6	8	9	-33%	1 [\$	1,000	\$	500	\$	608	64%
Stony Creek	•				11							
Disc Golf Daily	1	0	0	-	1 [\$	3	\$	-	\$	-	-
Disc Golf Annual	4	5	2	100%	1 [\$	165	\$	275	\$	108	52%
Total Disc Golf	5	5	2	150%	11	\$	168	\$	275	\$	108	55%
Shelters	4	4	7	-40%	1	\$	900	\$	900	\$	1,300	-31%
Boat Rental	0	0	0	-		\$	-	\$	-	\$	-	-
Boat Launches	0	0	1	-	1 [\$	-	\$	-	\$	-	-
Indian Springs					11							
Shelters	0	0	0	-	1 [\$	-	\$	-	\$	67	-
Event Room	3	4	4	-31%	1	\$	5,100	\$	3,100	\$	4,300	19%
Kensington					11							
Disc Golf Daily	7	0	63	-89%	1 [\$	21	\$	-	\$	13	66%
Disc Golf Annual	4	0	2	100%		\$	220	\$	-	\$	103	113%
Total Disc Golf	11	0	65	-83%	11	\$	241	\$	-	\$	116	108%
Shelters	13	5	12	11%	1	\$	2,925	\$	1,125	\$	2,567	14%
Boat Rental	0	0	0	-		\$	-	\$	-	\$	-	-
Huron Meadows	•	I	1		11			1		1		
Shelters	0	0	0	-	1 [\$	-	\$	-	\$	-	-
Hudson Mills	•	I	1		11			1		1		
Disc Golf Daily	108	59	255	-58%	1	\$	324	\$	177	\$	636	-49%
Disc Golf Annual	7	10	12	-42%	1	\$	385	\$	510	\$	615	-37%
Total Disc Golf	115	69	267	-57%	11	\$	709	\$	687	\$	1,251	-43%
Shelters	1	1	2	-57%	1	\$	200	\$	200	\$	467	-57%
Canoe Rental	0	0	0	-	1	\$	-	\$	-	\$	1,403	-
Lower Huron / Willow / Oakwo	ods	I	<u>.</u>		1							<u>.</u>
Shelters	4	5	3	33%	1	\$	950	\$	1,100	\$	633	50%
Lake Erie		I	<u>.</u>		1							<u>.</u>
Shelters	3	3	3	0%	1	\$	600	\$	600	\$	600	0%
Boat Launches	192	100	204	-6%	1	\$	-	\$	-	\$	-	-
Marina	0	0	0	-	1	\$	-	\$	-	\$	729	-

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		Seasonal Ac	tivities Y-T-D				Seasonal R	evenue	e Y-T-D	
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average	Current		Previous	Pr	ev 3 Yr Avg	Change from Average
Lake St. Clair			•			-		-1		
Welsh Center	43	31	45	-4%	\$ 35,150	\$	25,575	\$	24,892	41%
Shelters	218	265	374	-42%	\$ 65,260	\$	68,645	\$	70,158	-7%
Boat Launches	5,687	5,300	5,589	2%	\$ -	\$	-	\$	-	-
Marina	2,872	3,081	3,227	-11%	\$ 27,162	\$	26,649	\$	24,258	12%
Mini-Golf	9,423	7,990	9,169	3%	\$ 33,456	\$	28,954	\$	32,724	2%
Wolcott Mill										
Activity Center	92	117	113	-19%	\$ 16,790	\$	16,850	\$	18,143	-7%
Stony Creek										
Disc Golf Daily	14,164	15,135	17,604	-20%	\$ 45,025	\$	45,486	\$	48,001	-6%
Disc Annual	128	138	99	29%	\$ 6,825	\$	7,230	\$	4,847	41%
Total Disc Golf	14,292	15,273	17,704	-19%	\$ 51,850	\$	52,716	\$	52,847	-2%
Shelters	368	404	393	-6%	\$ 82,700	\$	85,085	\$	80,298	3%
Boat Rental	15,241	17,189	16,598	-8%	\$ 161,789	\$	183,197	\$	164,595	-2%
Boat Launches	763	793	1,535	-50%	\$ -	\$	-	\$	-	-
Indian Springs										
Shelters	21	55	62	-66%	\$ 4,050	\$	7,050	\$	7,917	-49%
Event Room	59	59	52	13%	\$ 98,600	\$	109,468	\$	82,903	19%
Kensington	•							1		
Disc Golf Daily	21,328	22,759	24,983	-15%	\$ 63,984	\$	68,277	\$	65,011	-2%
Disc Annual	131	201	169	-23%	\$ 7,085	\$	10,735	\$	7,473	-5%
Total Disc Golf	21,459	22,960	25,152	-15%	\$ 71,069	\$	79,012	\$	72,484	-2%
Shelters	411	403	450	-9%	\$ 101,825	\$	104,060	\$	105,727	-4%
Boat Rental	15,471	18,792	20,096	-23%	\$ 213,756	\$	237,767	\$	231,877	-8%
Huron Meadows	•							1		
Shelters	22	26	22	-1%	\$ 4,400	\$	5,200	\$	4,467	-1%
Hudson Mills	•									
Disc Golf Daily	9,077	9,201	10,733	-15%	\$ 27,231	\$	27,603	\$	28,064	-3%
Disc Annual	172	130	144	19%	\$ 9,220	\$	6,910	\$	7,407	24%
Total Disc Golf	9,249	9,331	10,877	-15%	\$ 36,451	\$	34,513	\$	35,470	3%
Shelters	112	104	109	3%	\$ 22,800	\$	20,800	\$	21,733	5%
Canoe Rental	6,034	6,421	6,106	-1%	\$ 49,472	\$	28,042	\$	28,238	75%
Lower Huron / Willow / Oaky						1		<u> </u>		
Shelters	307	329	313	-2%	\$ 66,650	\$	71,725	\$	68,883	-3%
Lake Erie						1		<u> </u>		
Shelters	68	77	76	-11%	\$ 15,300	\$	17,200	\$	16,800	-9%
Boat Launches	15,773	15,954	14,048	12%	\$ -	\$	-	\$	-	-
Marina	49	174	110	-56%	\$ 158,169	\$	178,305	\$	167,510	-6%

	Cross Country Ski Rental this Month								
PARK	Current		Previous		Prev 3 Yr Avg		Change from Average		
Stony Creek	\$	5,459	\$	1,259	\$	420	1201%		
Kensington	\$	7,735	\$	1,554	\$	518	1393%		
Huron Meadows	\$	9,147	\$	4,880	\$	2,444	274%		
Hudson Mills	\$	3,635	\$	966	\$	322	1029%		

Cross Country Ski Rental Y-T-D											
Current		Previous	Pr	ev 3 Yr Avg	Change from Average						
\$ 6,033	\$	1,259	\$	11,059	1201%						
\$ 9,058	\$	1,554	\$	14,949	-39%						
\$ 17,374	\$	22,273	\$	23,153	-25%						
\$ 3,635	\$	2,635	\$	7,207	-50%						

		Winter Spor	ts this Month		Winter Sports Y-T-D					
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average	Curren	t	Previous	Prev 3 Yr Avg	Change f Averag	
Lake St. Clair	•		1						1	
XC Skiers	7	4	1	425%		8	10	49	-84%	
Ice Skaters	0	0	0	-		0	55	309	-	
Sledders	235	0	0	-		235	129	412	-43%	
Ice Fishermen	417	107	36	1069%	;	808	1,599	3,972	-80%	
Stony Creek	-									
XC Skiers	630	607	202	211%		743	722	2,614	-72%	
Ice Skaters	0	0	0	-		141	0	358	-61%	
Sledders	1,610	1,480	493	226%	1,	371	2,735	4,210	-56%	
Ice Fishermen	60	0	0	-		174	241	573	-17%	
Indian Springs	_									
XC Skiers	37	76	25	46%		46	144	215	-79%	
Sledders	70	153	51	37%		139	440	388	-64%	
Kensington										
XC Skiers	1,016	117	39	2505%	1,	182	681	2,902	-59%	
Ice Skaters	0	0	0	-		3	0	788	-100%	
Sledders	6,868	525	175	3825%	6,	868	3,139	2,824	143%	
Ice Fishermen	11	20	7	65%		21	102	938	-98%	
Huron Meadows										
XC Skiers	1,590	840	397	301%	2,	945	4,365	5,978	-51%	
Ice Fishermen	0	0	0	-		4	0	265	-98%	
Hudson Mills										
XC Skiers	730	372	124	489%		750	669	1,853	-60%	
Lower Huron										
Ice Skaters	82	0	0	-		86	35	572	-85%	
Willow										
XC Skiers	41	34	11	262%		51	44	209	-76%	
Sledders	741	1,652	551	35%		808	1,732	2,385	-66%	
Ice Fishing	9	41	14	-34%		14	52	129	-89%	
Lake Erie										
XC Skiers	23	25	8	176%		25	27	60	-58%	
Sledders	76	41	14	456%		81	94	171	-53%	
Ice Fishing	135	254	85	59%		534	612	1,149	-54%	

INTERPRETIVE FACILITIES

		Monthly Pat	rons Served		
PARK	(total p	rogram participants	and non-program	visitors)	
	Current	Previous	Prev 3 Yr Avg	Change from Average	Curren
Lake St Clair	3,509	2,881	3,048	15%	167,!
Wolcott Mill	10,057	7,973	8,352	20%	48,7
Wolcott Farm	1,569	2,389	2,021	-22%	52,4
Stony Creek	9,575	10,352	9,929	-4%	207,4
Eastern Mobile Center	729	152	441	65%	16,
Indian Springs	2,398	3,421	2,846	-16%	79,9
Kens NC	12,199	11,299	12,141	0%	266,
Kens Farm	7,726	8,006	7,229	7%	278,
Western Mobile Center	555	678	718	-23%	10,0
Hudson Mills	2,603	2,839	2,772	-6%	35,
Oakwoods	10,798	10,861	11,560	-7%	161,3
Lake Erie	9,069	7,547	7,650	19%	151,0
Southern Mobile Center	314	549	432	-27%	12,4
TOTALS	71,101	68,947	69,139	3%	1,487,6

YTD Patrons Served										
(total p	rogram participants	and non-program vi	sitors)							
Current	Previous	Prev 3 Yr Avg	Change from Average							
167,503	144,685	146,151	15%							
48,179	53,692	51,194	-6%							
52,428	80,363	77,678	-33%							
207,407	200,496	193,335	7%							
16,167	9,526	12,847	26%							
79,953	85,122	84,675	-6%							
266,537	280,085	272,158	-2%							
278,192	283,323	285,233	-2%							
10,682	14,566	20,580	-48%							
35,724	39,640	41,003	-13%							
161,355	161,587	157,857	2%							
151,076	108,626	111,443	36%							
12,463	8,830	10,647	17%							
1,487,666	1,470,541	1,464,801	2%							

PARK	Monthly Revenue								
PARK	Current		Previous	Pre	ev 3 Yr Avg	Change from Average			
Lake St Clair	\$ 403	\$	772	\$	457	-12%			
Wolcott Mill	\$ 22,760	\$	16,855	\$	12,754	78%			
Wolcott Farm	\$ 162	\$	354	\$	357	-55%			
Wagon Rides	\$ -	\$	-	\$	22	-			
Livestock/Produce	\$ 7,051	\$	18,371	\$	12,843	-45%			
FARM TOTAL	\$ 7,213	\$	18,725	\$	13,222	-45%			
Stony Creek	\$ 796	\$	1,713	\$	1,033	-23%			
Eastern Mobile Center	\$ 750	\$	750	\$	250	200%			
Indian Springs	\$ 714	\$	827	\$	1,219	-41%			
Kens NC	\$ 901	\$	1,096	\$	1,183	-24%			
Kens Farm	\$ 250	\$	4,043	\$	1,998	-87%			
Wagon Rides	\$ 2,458	\$	3,752	\$	1,711	44%			
Livestock/Produce	\$ 15	\$	291	\$	183	-92%			
FARM TOTAL	\$ 2,723	\$	8,085	\$	3,891	-30%			
Western Mobile Center	\$ 2,850	\$	1,688	\$	1,304	119%			
Hudson Mills	\$ 321	\$	682	\$	936	-66%			
Oakwoods	\$ 268	\$	914	\$	839	-68%			
Lake Erie	\$ 328	\$	247	\$	337	-3%			
Southern Mobile Center	\$ -	\$	113	\$	38	-			
Totals	\$ 40,026	\$	52,467	\$	37,461	7%			

YTD Revenue											
Current		Previous	P	rev 3 Yr Avg	Change from Average						
\$ 29,693	\$	27,450	\$	24,142	23%						
\$ 36,855	\$	30,852	\$	26,711	38%						
\$ 65,678	\$	61,557	\$	55,865	18%						
\$ 14,420	\$	12,130	\$	10,710	35%						
\$ 62,137	\$	55,053	\$	69,097	-10%						
\$ 142,234	\$	128,740	\$	135,673	5%						
\$ 25,040	\$	28,882	\$	27,179	-8%						
\$ 5,855	\$	1,643	\$	548	969%						
\$ 32,331	\$	35,040	\$	36,895	-12%						
\$ 32,687	\$	28,418	\$	26,663	23%						
\$ 29,711	\$	94,421	\$	65,162	-54%						
\$ 54,942	\$	44,073	\$	35,870	53%						
\$ 8,519	\$	15,505	\$	19,311	-56%						
\$ 93,172	\$	153,998	\$	120,343	-23%						
\$ 20,342	\$	24,865	\$	22,128	-8%						
\$ 14,279	\$	14,105	\$	14,190	1%						
\$ 22,026	\$	18,648	\$	21,026	5%						
\$ 18,107	\$	10,293	\$	9,713	86%						
\$ 13,235	\$	1,757	\$	586	2160%						
\$ 485,856	\$	504,691	\$	465,795	4%						

		ON-SITE Program	s and Attendance				
BREAKDOWN OF ATTENDANCE	CURREN	IT YEAR	PREVIOL	JS YEAR	CURRE		
	Programs	Attendance	Programs	Attendance	Programs		
Lake St Clair	11	423	9	342	-		
Wolcott Mill	18	4,549	6	3,371	-		
Wolcott Farm	6	288	10	362	1		
Stony Creek	10	330	12	590	-		
Eastern Mobile Center					9		
Indian Springs	16	646	20	904	-		
Kens NC	14	444	9	286	5		
Kens Farm	41	868	26	782	-		
Western Mobile Center					21		
Hudson Mills	3	103	5	213	-		
Oakwoods	14	238	14	361	-		
Lake Erie	5	94	8	192	-		
Southern Mobile Center					10		
Totals	138	7,983	119	7,403	46		
BREAKDOWN OF ATTENDANCE	OTHER V (Non-pro						
	Current	Previous	"ON-SITE" - Statistics includes be				
Lake St Clair	3,086	2,539		programs offered to	school and scoul		
Wolcott Mill	5,508	4,602					
Wolcott Farm	981	1,827		"OFF-SITE" - Statis	tics includes outre		
Stony Creek	9,245	9,700		events such as loca	I fairs, or outdoor		
Indian Springs	1,752	2,253					
Kens NC	11,541	10,755		OTHER VISITORS			
Kens Farm	6,858	7,224		to view exhibits, wa	lk trails, and gene		
Hudson Mills	2,500	2,500					
Oakwoods	10,560	10,500					

8,975

61,006

Lake Erie

Totals

7,355

59,255

OFF-SITE Programs and Attendance			
CURRENT YEAR		PREVIOUS YEAR	
Programs	Attendance	Programs	Attendance
-	-	-	
-	-	-	-
1	300	1	200
-	-	2	62
9	729	6	152
-	-	5	264
5	214	5	258
-	-	-	-
21	555	24	678
-	-	4	126
-	-	-	-
-	-	-	-
10	314	15	549
46	2,112	62	2,289

programs offered to the public and ut groups.

reach programs at schools, special r related trade shows.

atrons to interpretive centers who visit nerally just enjoy the outdoors.