#### AMENDED AGENDA Huron-Clinton Metropolitan Authority Board of Commission Meeting January 12, 2017 – 10:30 a.m. Administrative Office

- 1. Chairman's Statement
- 2. Public Participation
- 3. Approval December 8, 2016 Regular Meeting Minutes
- 4. Approval January 12, 2017 Full Agenda

#### Consent Agenda

- 5. Approval January 12, 2017 Consent Agenda
  - a. Purchases
    - 1. Computer Server Upgrade, various locations pg. 1
  - b. Report Purchases over \$10,000 pg. 3
  - c. Approval Regulatory Sign Replacements, various locations pg. 5
  - d. Bids Office Boiler Replacement, Lake St. Clair Metropark pg. 9
  - e. Bids TWAC Acoustical Tile Replacement, Lake St. Clair Metropark pg. 13
  - f. Bids Pool Painting, Lake St. Clair Metropark pg. 17
  - g. Bids Vault Latrine Installation, Stony Creek Metropark pg. 19
  - h. Bids Vault Latrine Installation, Kensington Metropark pg. 21
  - i. Approval Wayne County Annual Maintenance Agreement pg. 23

#### Regular Agenda

#### 6. Reports

- A. Planning Department
  - 1. Report Kensington Draft Master Plan pg. 31
  - 2. Approval Preliminary Conceptual Golf Course Repurposing Designs, Lower Huron and Wolcott Mill pg. 83
- **B.** Engineering Department
  - 1. Report Preliminary Trail Design from Historic Center to Farm, Wolcott Mill pg. 97
  - 2. Approval Professional Services Proposal, Underground Storage Tank, Lower Huron pg. 101
  - 3. Bids Wave Pool Spray Pad, Lake Erie pg. 111
  - 4. Approval Generator Replacement, Administrative Office pg. 117
- C. Natural Resources Department
  - 1. Great Lakes Fisheries Trust Grant Agreement pg. 121

#### 7. Other Business

- 1. Metroparks Property
- 8. Staff Officer Update
- 9. Commissioner Comments
- **10.** Motion to Adjourn

The next regular Metroparks Board meeting will take place <u>Thursday, Feb. 9, 2016</u> – <u>10:30 a.m.</u> Administrative Office



AMENDED

To:	Board of Commissioners
From:	Robert Rudolph Jr, IT Manager
Project Title:	ITB 16-072
Subject:	Park Computer Server Upgrade
Location:	Lake St. Clair, Stony Creek, Hudson Mills, Lower Huron, Lake Erie Metroparks
Date:	January 4, 2017

Bids Opened: Friday, December 5, 2016 at 2:00 p.m.

# Action Requested: Motion to Approve

That the Board of Commissioners' accept the proposal from Civitas-IT, the low responsive, responsible bidder in the amount of \$47,930.87 to upgrade the computer servers located at Lake St. Clair, Stony Creek, Hudson Mills, Lower Huron and Lake Erie Metroparks recommended by IT Manager Robert Rudolph, Jr. and staff.

**Fiscal Impact**: These items were budgeted for in 2016 and \$54,000 is in the current budget. However, the bid, approval and delivery will not be completed in time for 2016-year end. Funds in the amount of \$54,000 will be carried over to the 2017 budget to purchase these servers.

**Background**: The industry standard for a server life expectancy is three to five years. The current servers are five to six years old and need to be updated to meet technology requirements and enhancements for the parks.

<u>Vendor</u>	Location	<u>Price</u>
*Hi-Tech	Casco, MI	<mark>\$39,376.09</mark>
Civitas – IT	Grand Rapids, MI	\$47,930.87
Cygnus Systems	Southfield, MI	\$70,420.65
Bhayana Brothers	Pittsburg, PA	\$84,862.24

\*Hi-Tech misquoted the two items with a cheaper product and the quote did not meet our requirements. Hi-Tech was not able to requote with the item we required and not change the quoted price.



To:Board of CommissionersFrom:George Phifer, DirectorSubject:Update – Purchases over \$10,000Date:January 4, 2017

# 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 Director Phifer 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>
Labelle Electric	Electrical Demo, Maple Beach (Kensington)	\$24,950.00
Office Depot	Cubicle workstations, IT area at Admin. Ofc	\$23,818.20
Opus	Regulatory Sign Assessments, all parks	\$16,347.35
Imagination Playground	Big Blue Blocks, Interpretive Department	\$15,801.50
Oscar Larson	Fuelmaster, Lower Huron Metropark	\$15,527.00
Brickworks Property Restoration	Slab Jacking, Lake St. Clair Metropark	\$11,415.00



To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:800-16-005Project Title:Approval – Road Regulatory Sign ReplacementsLocation:Various LocationsDate:January 4, 2017

Bids Received: November 8, 2016

# Action Requested: Motion to Approve

That the Board of Commissioners' award Contract 800-16-005 to the low responsive, responsible bidder, J. Ranck Electric, Inc., in the amount of \$26,281 as recommended by Manager of Engineering Mike Brahm-Henkel and Staff.

**Fiscal Impact:** Funding is available from the Flat Rock Dam Safety signage and Improvement project to cover the cost of the project.

**Scope of Work:** The work includes replacing regulatory signage along park roadways throughout Lake St. Clair, Wolcott Mill, Indian Springs, Hudson Mills, Dexter-Huron, Delhi, Lower Huron, Willow, Oakwoods and Lake Erie Metroparks. The signs are faded and in poor condition.

**Background:** Park regulatory signs to be replaced include stop, yield and speed limit. Many of the park regulatory signs are in need of replacement due to age and degrading reflectivity.

<u>Contractor</u>	<u>City</u>	<u>Amou</u>	<u>nt</u>
J. Ranck Electric, Inc.	Mt. Pleasant	\$ 26,2	81.00
Budget Amount for Contract Services and Adr	ninistration	\$	0.00
Work Order Amount Contract Amount J. Ranck Electric, Ir Contract Administration Total Proposed Work Order Amou		\$ 26,2 <u>\$ 1,0</u> \$ 27,2	00.00

\*Only One contractor submitted a bid for the project.

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Reed Construction Data, Construction News Corporation, Construction News Service, HCMA Website, Builders Exchange of Michigan, McGraw Hill Dodge, Builders Exchange of Lansing and Central Michigan.





HURON-CLINTON METROPOLITAN AUTHORITY

To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:702-16-292Project Title:Bids – Park Office Boiler ReplacementProject Type:Major MaintenanceLocation:Lake St. Clair Metropark, Macomb CountyDate:January 4, 2017

Quotes Received: December 5, 2016

# Action Requested: Motion to Approve

That the Board of Commissioners' (1) award Contract No. 702-16-292 to the low responsive, responsible bidder, Fraser Mechanical, Inc., in the amount of \$35,694; and (2) transfer \$35,694 from the Fund Balance to cover the cost of the project as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

Fiscal Impact: This is an unbudgeted repair in the amount of \$35,694.

**Scope of Work:** The project includes the removal of the existing boiler and associated piping and the installation of a new steam boiler for the Lake St. Clair park office building.

**Background:** The existing steam boiler is cracked and is more than 30-years-old. There is a four to six week delivery time on the replacement boiler. The existing boiler is one of two that supplies heat to the park office complex. Park maintenance personnel were having problems with the boiler and contacted a mechanical contractor to service the unit. Once the issue of the boiler was determined, park maintenance staff requested three bids from mechanical contractors to replace the unit and contacted the Engineering department.

<u>Contractor</u> Fraser Mechanical, Inc. Boiler Tech Detroit Boiler Company	<u>City</u> Washington Casco Twp. Detroit	\$39,	<u>ount</u> 694.00 910.00 556.00
Budget Amount for Contract Services and Adr	ninistration	\$	0.00
Work Order Amount Contract Amount Brock and Associate Contract Administration Total Proposed Work Order Amo		<u>\$ 1,</u>	694.00 <u>000.00</u> ,964.00

# Attachment: Current Lake St. Clair Office Boiler Photo

Lake St. Clair Park Office Boiler



5-e Meeting of January 12, 2017 HURON-CLINTON METROPOLITAN AUTHORITY



To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:702-16-293Project Title:Bids – Acoustical Tile ReplacementProject Type:Major MaintenanceLocation:Lake St. Clair Metropark, Macomb CountyDate:January 4, 2017

Quotes Received: December 8, 2016

# Action Requested: Motion to Approve

That the Board of Commissioners' (1) authorize staff to issue a purchase order to Memtech Acoustical for project 16-293 in the amount of \$ 25,126.58; (2) and authorize staff to transfer \$25,126.58 from the Engineering Outside Services account to the Lake St. Clair Major Maintenance unallocated account as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

**Fiscal Impact:** This is an unbudgeted project. Funding is available in the Engineering Outside services account.

**Scope of Work:** The project includes the replacement of the acoustical tiles that are located around the perimeter and hanging from the ceiling at the Thomas Welsh Activities Center building.

**Background:** The existing tiles help to attenuate the sound in the building. The new tiles will replace the existing tiles in kind and provide an upgraded look to the facility.

<u>Contractor</u> Memtech Acoustical Northwest Acoustical, Inc. Huron Acoustical Tile Co.	<u>City</u> Rochester Hills Redford Mt. Clemens	<u>Amoι</u> \$25,1 \$37,2 \$41,0	26.58 95.00
Budget Amount for Contract Services and Adr	ninistration	\$	0.00
Work Order Amount Contract Amount - Memtech Acoustical Contract Administration Total Proposed Work Order Amount (F	Rounded)	• •	26.58 <u>00.00</u> 27.00

# Attachment: Acoustical Ceiling Tile Photos

# Acoustical Tiles at Thomas Welsh Activity Center







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# HURON-CLINTON METROPOLITAN AUTHORITY

To: From: Project No: Project Title: Project Type:	Board of Commissioners Mike Brahm-Henkel, Manager of Engineering 702-16-290 Concrete Pool Painting Major Maintenance
-	Concrete Pool Painting
	0
Location:	Lake St. Clair, Macomb County
Date:	January 4, 2017
Dale.	January 4, 2017

Bids Received: December 22, 2016 at 2:00 p.m.

#### Action Requested: Motion to Approve

That the Board of Commissioners' award Contract No. 702-16-290 to the low responsive, responsible bidder, Toledo Floor, in the amount of \$39,200 as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

**Fiscal Impact:** This is an unbudgeted project. Funding is provided in the 2017-budgeted line item for Caulk/Paint for Shelters, Buildings, Tollbooths – Annual in the amount of \$30,000 and General Repairs – Annual in the amount of \$10,200.

**Scope of Work:** The project includes surface preparation, patching and painting of the interior shell of the concrete pool.

**Background:** Park staff paints the interior of the pool as part of its routine maintenance practice. Periodically it becomes necessary to strip the paint layers off to provide a clean substrate to adhere the new paint too. The existing paint flaking and causing paint chips to come off due to the thickness of the buildup of paint on the surface. The pool was last stripped and painted in 1991.

<u>Contractor</u> Toledo Floor General Painting Cross Renovation	<u>City</u> Mount Clemens Rochester Hills Livonia	Amour \$ 39,20 \$ 79,80 \$144,12	00.00 00.00
Budget Amount for Contract Services and Adminis	tration	\$	0.00
Work Order Amount Contract Amount Toledo Floor Contract Administration Total Proposed Work Order Amount		\$ 39,20 <u>\$ 1,00</u> \$ 40,20	00.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Reed Construction Data, Construction News Corporation, Construction News Service, HCMA Website, Builders Exchange of Michigan, McGraw Hill Dodge, Builders Exchange of Lansing and Central Michigan.

The following contractors obtained bidding documents but did not submit a proposal: B & B Pools, Livonia; Cipriano Coating Technology, Sterling Heights; Gold Star Commercial, Troy; Norkan, Inc., Warren; Performance Roads, LLC, Mt. Clemens; RAM Construction Services, Livonia; Seven Outsource, Newark, DE; Sleeves Consulting Service, Boulder City, NV



To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:509-16-537Project Title:Bids – Vault Latrine InstallationProject Type:Capital ImprovementLocation:Stony Creek Metropark, Macomb CountyDate:January 4, 2017

Bids Received: November 8, 2016

#### Action Requested: Motion to Approve

That the Board of Commissioners' (1) award Contract No. 509-16-1105 to the low responsive, responsible bidder, Brock and Associates, Inc., Inc. in the amount of \$35,235; and (2) transfer \$1,358 from the Fund Balance as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

**Fiscal Impact:** In the 2016 budget, \$250,000 was identified for the replacement of vault latrines. At the Oct. 13, 2016 Board meeting, \$187,480.00 was approved for the procurement of the prefabricated vault latrine units. The remaining \$62,520 is available for installation.

Installation cost for the Kensington units is \$45,643 leaving \$16,877 remaining for the installation at Stony Creek. Funds are available in the Stony Creek unallocated account, which were assigned in the 2016 budget in the amount of \$27,000 for the west side hike-bike trial wooden bridge work. However, after further investigation minor deck board replacement is only necessary at this time.

**Scope of Work:** The project includes the installation of two prefabricated vault latrines, which includes the excavation for the vaults, site restoration, construction of an asphalt access path and accessibility parking with pavement markings, signage and stripping.

**Background:** At the Oct. 13, 2016 Board meeting, approval was given for the procurement for four prefabricated vault latrine units. The units will be installed at Lake View and Northdale. As reported at that time, the associated site work necessary for the installation of the units was not provided by the manufacturer. In addition to the installation of the units, work will include an asphalt walkway, signage and parking pavement markings to address accessibility to the units.

Contractor	City	<u>Amount</u>
Brock & Associates, Inc.	Novi	\$ 35,235.00
Anglin Civil	Livonia	\$ 47,340.00
Giannetti Building Development LLC	Oxford	\$ 57,957.00
WCI Contractors, Inc.	Detroit	\$ 58,640.00
James P Contracting	Washington	\$ 75,557.50
Budget Amount for Contract Services and A Original Budgeted amount for Vault Latr Contract Amount-CXT Concrete Building Kensington Installation Remaining available Budget West Side Bridge Hike\Bike Repla Available Funding Work Order Amount	ines gs	\$250,000.00 \$187,480.00 \$45,643.00 \$16,877.00 \$18,358.00 \$35,235.00
Contract Amount Brock and Asso Contract Administration	ociates	\$ 35,235.00 \$ 2,000.00
Total Proposed Work Order	Amount	\$ 37,235.00



HURON-CLINTON METROPOLITAN AUTHORITY

To:	Board of Commissioners
From:	Mike Brahm-Henkel, Manager of Engineering
Project No:	504-16-1105
Project Title:	Bids – Vault Latrine Installation
Project Type:	Capital Improvement
Location:	Kensington Metropark, Oakland County
Date:	January 4, 2017

Bids Received: November 8, 2016

# Action Requested: Motion to Approve

That the Board of Commissioners' award Contract No. 504-16-1105 to the low responsive, responsible bidder, DP Schweihofer in the amount of \$45,643 as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

**Fiscal Impact:** In the 2016 budget, \$250,000.00 was identified for the replacement of vault latrines. Previously, \$187,480 was approved for the procurement of the prefabricated vault latrine units. The remaining \$62,520 is available for installation.

**Scope of Work:** The project includes the installation of two prefabricated vault latrines which includes the excavation for the vaults, site restoration, construction of an asphalt access path, and accessibility parking with pavement markings, signage, and stripping.

**Background:** At the Oct. 13, 2016 Board meeting, approval was given for the procurement for four prefabricated vault latrine units – two for Kensington and two for Stony Creek. The units will be installed at Spring Hill and Island Road. As reported at that time the associated site work necessary for the installation of the units is not provided by the manufacturer. In addition to the installation of the units, work will include an asphalt walkway, signage and parking pavement markings to address accessibility to the units.

<u>Contractor</u>	<u>City</u>	<u>Amount</u>
DP Schweihofer	St. Clair	\$ 45,643.00
Anglin Civil	Livonia	\$ 51,618.90
Brock & Associates	Novi	\$ 59,404.00
Cross Renovations	Livonia	\$ 75,721.75
Oak Construction Corp.	Swartz Creek	\$ 95,126.00
Birkenstock Construction LLC	Brighton	\$118,535.00
Budget Amount for Contract Services	s and Administration	
Original Budgeted amount for Vau	ult Latrines	\$250,000.00
Contract Amount-CXT Concrete E	Buildings	<u>\$187,480.00</u>
Remaining available Budget	-	\$ 62,520.00
Work Order Amount		
Contract Amount DP Schweil	nofer Excavating	\$ 45,643.00
Contract Administration		\$ 2,000.00
Total Proposed Work Ord	ler Amount	\$ 47,643.00



To:Board of CommissionersFrom:Nina Kelly, Manager of PlanningSubject:Approval - Wayne County Annual Maintenance PermitDate:January 4, 2017

# Action Requested: Motion to Approve

That the Board of Commissioners' approve the resolution authorizing staff to execute the Wayne County Annual Maintenance Permit A-17088 as recommended by Manager of Planning Nina Kelly and staff.

Fiscal Impact: There are no fees associated with this permit.

**Background:** The Annual Maintenance Permit is a standing permit with Wayne County to occupy the right-of-way of County roads in order to remove, replace, and/or repair Metroparks signage.

The Planning Department facilitated a pathfinder signage update project throughout the Metroparks five-county service area in 2015-2016. This 2017 Annual Maintenance Permit will enable the Metroparks to address any damage to pathfinder signs within the Wayne County road right-of-way on an as-needed basis.

If this resolution is approved by the Board, Metroparks staff will be required to submit the following to the Wayne County Department of Public Services Permit Office:

- Certified copy of the resolution
- Original permit executed by the individual authorized by resolution
- Copy of Metroparks Certificate of Insurance consistent with County requirements

# Attachments: 2016 Permit Work Order Request Board Resolution

PERMIT OFFICE 33809 MICHIGAN AVE WAYNE, Mi 48184,	WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES PERMIT TO CONSTRUCT, OPERATE, USE AND/OR MAINTAIN		PERMIT NO. <b>A-17088</b>	
PHONE (734) 595-6504 FAX (734) 595-6356				
72 HOURS BEFORE ANY CONSTRUCTION. CALL Floyd Spann (734) 595-6504, Ext: 2009 FOR INSPECTION			1/1/2017 REVIEW No.	12/31/2017 WORK ORDER 79394
ROJECT NAME HURON-CLINTON METROPOLITA	N AUTHORITY - MAINTENANCE		CITY/TWP	
VARIOUS			WAYNE COUNTY	·
PERMIT HOLDER	CONT	RACTOR		
HURON-CLINTON METROPOLITA 13000 HIGH RIDGE DR BRIGHTON, MI 48114	N AUTHORITY			
CONTACT	CONT	ACT		

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DESCRIPTION OF PERMITTED ACTIVIT (72 HOURS BEFORE YOU DIG, CALL MISS DIG 1-800-482-7161, www.missdig.org)

TIM PHILLIPS

TO OCCUPY THE RIGHT-OF-WAY OF COUNTY ROADS TO REMOVE, REPLACE AND/OR REPAIR METRO PARK SIGNAGE.

(810) 227-2757

REFER TO ATTACHMENTS REFERENCED BELOW FOR ANNUAL PERMIT REQUIREMENTS AND CONDITIONS. ALL ATTACHMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS PERMIT.

PAVEMENT REPAIRS REQUIRE A SEPARATE PERMIT AND ARE NOT TO BE COMPLETED UNDER THE TERMS OF THIS ANNUAL PERMIT.

PERMIT HOLDER AGREES TO SUBMIT MONTHLY REPORTS OF WORK PERFORMED UNDER THIS PERMIT.

ALL ACTUAL INSPECTION COSTS, INCLUDING OVERTIME, SUPERVISION, TESTING OF MATERIAL AND EMERGENCY WORK, IF REQUIRED, SHALL BE BILLED.

FINANCIAL SUMMARY		DEPOSITOR	APPROVED PLANS PREPARED BY
PERMIT FEE	\$0.00		
PLAN REVIEW FEE.	\$0.00		PLANS APPROVED BY DATE PLANS APPROVED
PARK FEE	\$0.00		
OTHER FEE.	\$0.00		1/1/2017
BOND	\$0.00		REQUIRED ATTACHMENTS
INSPECTION DEPOSIT	\$0.00		GENERAL CONDITIONS
OTHER BOND	\$0.00	LETTER OF CREDIT DEPOSITO	SCOPE OF WORK AND CONDITIONS FOR MUNICIPAL MAINTENANCE PERMITS
TOTAL COSTS	\$0.00		INDEMNITY AND INSURANCE ATTACHMENT
			SAMPLE COMMUNITY RESOLUTION
TOTAL CHECK AMOUNT			RULES, SPECIFICATIONS AND PROCEDURES FOR PERMIT CONSTRUCTION - AVAILABLE ONLINE AT
	\$0.00		www.waynecounty.com/dps_engineering_cpoffice.htm
CASHIER	DATE	-	
	1/1/2017		(PERMIT VALID ONLY IF ACCOMPANIED BY ABOVE ATTACHMENTS)

In consideration of the Permit Holder and Contractor agreeing to abide and conform with all the terms and conditions herein, a Permit is hereby issued to the above named to Construct, Operate, Use and/or Maintain within the Road Right of Way, County Easement, and/or County Property. The permitted work described above shall be accomplished in accordance with the Approved Plans, Maps, Specifications and Statements filed with the Permit Office which are integral to and made part of this Permit. The General Conditions as well as any Required Attachments are incorporated as part of this Permit.

#### WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES

PREPARED BY

5-i-1

TIM PHILLIPS
PERMIT HOLDER / AUTHORIZED AGENT

CONTRACTOR / AUTHORIZED AGENT

<BI ANK>

DATE



#### Wayne County Department of Public Services Engineering Division – Permit Office

#### **Conditions & Limitations of Permits**

Plan Approval and Specifications: All work performed under the permit shall be done in accordance with the approved plans, specifications, maps, statements and special conditions filed with the County and shall comply with Wayne County Specifications, as defined in the current <u>Wayne County Rules</u>. Specifications and <u>Procedures for Permit Construction</u>, included as an attachment to this permit, the <u>Wayne County Standard Plans for</u> <u>Permit Construction</u>, and the <u>MDOT Standard Specifications for Construction</u>, and other ACDES Specifications, and other WCDPS specifications can shall be resolved by the Permit Office overed by the approved plans nor by the County's current Standards and Specifications shall be resolved by the Permit Office.

Fees: The Permit Holder shall be responsible for all fees and costs incurred by the County in connection with the permit and shall deposit payment for fees and costs as determined by the County at the time the permit is issued.

Bond: The Permit Holder shall furnish a bond in cash or Certified check in an amount acceptable to the County to guarantee performance under the conditions of the permit. The County may use all or any portion of the bond which shall be necessary to cover any expense, including inspection costs or damage incurred by the County through the granting of the permit. Should the bond be insufficient to cover the expenses and damages incurred by the County, the Permit Holder shall pay such deficiency upon billing by the County. If the bond amount exceeds the expenses and damages incurred by the County, the excess perion will be returned to the Depositor. The excess performance bond provided for herein, when it cannot be returned, shall be deposited into the County Road Fund and become a part thereof, unless claimed by the Depositor within one year of the date of satisfactory completion of the construction authorized by the permit.

Insurance: The Permit Holder shall furnish proof of liability and property damage insurance in the form and amounts acceptable to the County with Wayne County named as an insured party. The Permit Holder shall maintain this insurance until the permit is released, revoked or cancelled by the County.

Indemnification / Hold Harmless: Sub-Section 1 herein applies to all Permit Holders except Municipalities. Sub-Section 2 herein applies to Municipalities only.

- 1. To the extent allowed by law, the Permit Holder shall indemnify, hold harmless and defend Wayne County, its Department of Public Services, its officials and employees against any and all claims, suits and judgments to which the County, the Department, its officials and employees may be subject and for all costs and actual attorney fees which may be incurred on account of injury to persons or damage to property, including property of the County, whether due to negligence of the Permit Holder or to the joint negligence of the Permit Holder and the County, arising out of any and all work performed under the permit, or in connection with work not authorized by the permit, or resulting from failure to comply with the terms of the permit or arising out of the continued existence of the work product that is the subject of the permit. This hold harmless provision must not be construed as a waiver of any governmental immunity by the County.
- 2. To the extent allowed by law, the Municipality as Permit Holder shall hold harmless and defend Wayne County, its Department of Public Services, its officials and employees, for the Municipality's own negligence, tortious acts, errors, or omissions, and the acts, errors, or omissions of any of its employees, on account of injury to persons or damage to property, including property of the County, arising out of any and all work performed under the permit, or in connection with work not authorized by the permit, or resulting from failure to comply with the terms of the permit or arising out of the continued existence of work product that is the subject of the permit. Sub-section I alove applies to contractors, subcontractors, cagents of the Municipality. This hold harmless provision must not be construed as a waiver of any governmental immunity by the County or the Municipality's, as provided by statute or modified by court decisions.

Permit on Site: The Permit Holder shall keep available a copy of the permit and any associated approved plans on site during permitted activities.

Notification for Start and Completion of Work: The permit shall not become operative until it has been fully executed by the County. The Permit Holder shall notify the County before starting construction and shall notify the County when work is completed. The Permit Holder or their representative shall have copies of the executed permit and approved plans in their possession on the job site at all times.

- The Permit Holder shall provide at least three (3) days advanced notice. excluding Saturdays, Sundays and holidays, to the Permit Office prior to the commencement of any permitted activities by submitting a START OF WORK NOTIFICATION form by mail, fax or e-mail. In certain instances, additional notice may be required by the Permit Office. In the event that construction work ceases for a period of time, then the Permit Holder shall notify the Wayne County Inspector at least 24 hours prior to resuming work.
- The Permit Holder shall comply with all requirements of the Miss Dig Statute, MCL §460.701 et seq., as amended. The Permit Holder shall call "<u>MISS DIG</u>" at (800) 482-7161, at least 72 hours, excluding Saturdays, Sundays and holidays, but not more than twenty-one (21) calendar days. before starting any underground work. The Permit Holder assumes all responsibility for damage to or interruption of underground utilities.
- 3. The Permit Holder shall call Wayne County Department of Public Services' Traffic Operations Office at (734) 955-2154, at least 72 hours prior, excluding Saturdays, Sundays and holidays, but not more than twenty-one (21) calendar days, before starting any underground work in the vicinity of any traffic signal equipment owned, operated or maintained by Wayne County.

Safety: The Permit Holder agrees that all work under the permit shall be performed in a safe manner and to keep the area affected by the permit in a safe condition until the work is completed and accepted by the County. The Permit Holder shall furnish, install and maintain all necessary traffic controls and protection which are in accordance with the current <u>Manual on Uniform Traffic Control Devices</u> (MUTCD). The Permit Holder shall conduct all activities and maintain all facilities as set forth in the permit in a manner so as not to damage, impair, interfere with, or obstruct a public road or create a foreseeable risk of harm to the traveling public. The Permit Holder shall comply with all applicable OSHA and MIOSHA requirements.

Underground Utilities: The Permit Holder shall contact all utility owners regarding their facilities prior to starting work and shall comply with all applicable provisions of Act 53, Public Acts of 1974, as amended. Wayne County makes no warranty either expressed or implied as to the condition or suitability of subsurface conditions or any existing facility which may be encountered during an excavation. The presence or absence of utilities is based on the best information available and the County is not responsible for the accuracy of this information. The Permit Holder assumes all responsibility for the interruption and damage to underground utilities. The Permit Holder is responsible for proper disposal, in accordance with current regulations, of any material excavated from within the right-of-way. Such materialis include, without limitation, soils or groundwater contaminated by petroleum products or other pollutants associated with sites identified by the MDEQ or reported on appropriate release forms for underground storage tanks.

Assignability: The permit is neither transferable nor assignable without the written consent of the County.

Limitation of Permit: The Applicant and the Permit Holder shall be responsible for obtaining and shall secure any permits or permission necessary or required by law from State, federal or other local governmental agencies and jurisdictions, corporations or individuals. These include, without limitation, those pertaining to drains, inland lakes and streams, wetlands, woodlands, flood plains, filling, noise regulation and hours of operation. Issuance of a Wayne County permit does not authorize activities otherwise regulated by State, federal or local agencies.

Access of Other Vehicles: The Permit Holder shall, at all times possible, maintain a minimum of one acceptable access to all abutting occupied properties, driveways and side streets unless otherwise specified on the approved plans. The Permit Holder shall notify all owners or occupants of properties whose access may be temporarily disrupted during the permitted work. The local police, fire or emergency service agencies shall define acceptable access. The Permit Holder shall provide signing and other improvements necessary to ensure adequate access until the roadway, driveway or side street is restored. The Permit Holder shall conduct all operations so as to minimize inconvenience to abutting property owners. Wayne County reserves the right to reasonably restrict the progress of work by the Permit Holder based on the rate of roadway and right-of-way restored. Including permanent or temporary pavement. Wayne County may require that work be suspended until satisfactory backfilling of open trenches or excavations has been completed and driveways, side streets and drainage restored.

Restoration: The Permit Holder agrees to restore the County road and road right-of-way, County drain easement or County park property to a condition equal to or better than its condition before work under the permit began. If the Permit Holder fails to satisfactorily restore the permitted work area, Wayne County may take all practical actions necessary to provide reasonably safe and convenient public travel, preservation of the roadway and drainage, prevention of soil erosion and sedimentation, and elimination of nuisance to abutting property owners caused by the permitted activity. Security in the form of cash, a certified check or surety bond shall be required to secure the cost of restoring the disturbed portion of the right-of-way to an acceptable safe condition. The amount of the security shall be determined by the Permit Holder, the Permit Holder shall restore the right-of-way to a condition similar to the condition that existed prior to issuance of the permit.

Acceptance: Acceptance by the County of work performed does not relieve the Permit Holder of full responsibility for work performed or the presence of the permitted facility. The Permit Holder acknowledges that the County has no liability for the presence of the Permit Holder's facility located within the County road right-of-way, County drain easement or County park property.

Permit Expiration and Extension of Time: All work authorized by the permit shall be completed to the satisfaction of the Permit Office on or before the expiration date specified in the permit. Any request for an extension of time for completion shall be on a completed County form and shall demonstrate good cause for granting the request. Additional requirements may be imposed as a condition of an extension of time due to seasonal limitations or other considerations. These additional requirements may include, without limitation, changes to materials or construction methods, reestablishment of fees, bonds, deposits and insurance requirements.

Responsibility: The design, construction, operation and maintenance of all work covered by the permit shall be at the Permit Holder's expense with the exception that the Permit Holder will not be responsible for maintaining road widenings or similar facilities which become part of the County roadway.

Revocation: The permit may be suspended or revoked at the will of the County. Upon order of the County, the Permit Holder shall surrender the permit, cease operations and remove, alter or relocate, at their expense, the facilities for which the permit was granted. The Permit Holder expressly waives any right to claim damages for compensation resulting from the revocation of the permit.

Violation: The County may declare the permit null and void if the Permit Holder violates the terms of the permit. The County may require immediate removal of the Permit Holder's facilities and restoration of the County property, or the County may remove the facilities and restore the County property at the Permit Holder's expense. The Permit Holder agrees that in the event of a violation of the terms of the permit or in the event the work authorized by the permit is not satisfactorily completed by the permit expiration date, the County may use all or any portion of the performance bond to restore the County road right-of-way, drain easement, wastewater facility or park property as necessary for reasonably safe and efficient operations and maintenance, or to establish extraordinary maintenance procedures as required to assure reasonably safe and efficient operation of the County facility.

Inspection and Testing of Materials: Wayne County reserves the right of inspection and the testing of materials by its authorized representatives of all permitted activities and/or activities within the road right-of-way, County owned property or within a County drain easement. All items identified by the final inspection shall be resolved prior to release of the permit. All materials and methods utilized during the course of the authorized permit work shall neet the requirements of the current <u>MDOT'Standard Specifications For Construction</u> as modified by Wayne County Special Provisions, Standard Plans for Permit Construction and this manual. The Permit Holder shall reimburse Wayne County for all required inspections and testing of materials.

Design: The Permit Holder is fully responsible for the design of the permitted facility, such that the design shall be consistent with all applicable County standards, specifications, guidelines, requirements and with good engineering practice. Any errors in the plans that become evident after the issuance of a permit, and which change the scope of permitted work, are subject to review and may be grounds for revocation of the permit. The Permit Office will not relieve the Permit Holder of the responsibility of correcting errors, deficiencies, or omissions due to oversight or unforescen contingencies such as faulty drainage, poor subsoil conditions inside or outside the plan area.

Drainage: Drainage shall not be altered to flow into the road right-of-way or road drainage system unless approved by Wayne County.

Permit Holder Compliance: The Permit Holder shall abide by the conditions and limitations contained on the permit and all other conditions listed within the WCDPS Rules, Specifications and Procedures for Construction Permits. The application of any work undertaken under the permit shall constitute the Permit Holder's agreement to the Provision.



### Wayne County Department of Public Services Engineering Division – Permit Office Indemnity and Insurance Attachment

To the extent allowed by law, the Permit Holder shall defend and hold harmless Wayne County, the Department of Public Services, its officials and employees against any and all claims, suits and judgments to which Wayne County, the Departments, its officials and employees may be subject and for all costs and actual attorney fees which may be incurred on account of injury to persons or damage to property, including County property. The Permit Holder shall provide this indemnity for any incident arising out of any and all activities performed under the permit or in connection with work not authorized by the permit, or resulting from the failure to comply with the terms of the permit, or arising out of the continued existence of the work product that is subject to the permit.

Certificates of insurance shall be required for all construction permits, excluding residential driveway permits. Each certificate of insurance and any associated correspondence shall reference the plan review number of the project. General liability and automotive liability insurance coverage shall be in amounts detailed below:

The general liability insurance coverage shall be in amounts not less than \$1,000,000 each occurrence and \$2,000,000 general aggregate. Proof of automobile liability shall be in amounts not less than \$1,000,000 combined single limit for each accident, bodily injury per accident, and property damage per accident, and in an amount not less than \$1,000,000 for bodily injury each person, each occurrence and property damage liability \$1,000,000 each occurrence.

The certificate of insurance must be provided by a person, the corporation, or by authorized representatives who signed personally either the application or permit. Insurance shall remain in force until the permit is released by Wayne County.

The Wayne County Department of Public Services shall be a Certificate Holder on the policy of insurance. Wayne County, drainage district, and its officers, agents and employees shall be named as additional insured parties. It is also required that the annual permit numbers are included on each certificate of insurance.

The insurance shall cover a period not less than the term of the permit and shall provide that it cannot be cancelled or reduced without thirty (30) days advance written notice to Wayne County, by certified mail, first-class, return receipt requested. The thirty (30) days shall begin on the date when the County received the notice, as evidenced by the return receipt.

Such insurance shall provide by endorsement therein for the thirty (30) day notice by the insurer to the Permit Office prior to termination, cancellation or material alteration of the policy.

Licensee agrees to make application for renewal thereof at least sixty (60) days before the expiration date of the policy then in force and to file a certified copy of such renewed policy with the Permit Office.

The policy shall also provide by endorsement for the removal of the contractual exclusion.

Should insurance coverage be cancelled or reduced below acceptable limits, or allowed to expire, the authorization to continue work under the permit shall be suspended or revoked and shall not resume until new insurance is in force and accepted by Wayne County. Wayne County may, in such cases, take appropriate action to restore or protect the road and appurtenances. All costs incurred by this action shall be deducted from any remaining inspection deposit, bond and/or Letter of Credit and, if necessary, the Permit Holder may be billed to defray actual expenses.

# MODEL COMMUNITY RESOLUTION AUTHORIZING EXECUTION OF WAYNE COUNTY PERMITS

Resolution No. 2017-01

At a Regular Meeting of the <u>Huron-Clinton Metropolitan Authority</u> on <u>January 12, 2017</u>, the following resolution was offered:

WHEREAS, the <u>Huron-Clinton Metropolitan Authority</u> (hereinafter the "Community") periodically applies to the County of Wayne Department of Public Services, Engineering Division Permit Office (hereinafter the "County") for permits to conduct emergency repairs, annual maintenance work, and for other purposes on local and County roads located entirely within the boundaries of the Community, as needed from time to time to maintain the roads in a condition reasonably safe and convenient for public travel;

**WHEREAS**, pursuant to Act 51 of 1951, being MCL 247.651 et seq., the County permits and regulates such activities noted above and related temporary road closures;

**NOW THEREFORE, BE IT RESOLVED**, in consideration of the County granting such permit (hereinafter the "Permit"), the Community agrees and resolves that:

Any work performed for the Community by a contractor or subcontractor will be solely as a contractor for the Community and not as a contractor or agent of the County. Any claims by any contractor or subcontractor will be the sole responsibility of the Community. The County shall not be subject to any obligations or liabilities by vendors and contractors of the Community, or their subcontractors.

The Community shall take no unlawful action or conduct, which arises either directly or indirectly out of its obligations, responsibilities, and duties under the Permit, which results in claims being asserted against or judgment being imposed against the County, and all officers, agents and employees thereof pursuant to a maintenance contract. In the event that same occurs, for the purposes of the Permit, it will be considered a breach of the Permit thereby giving the County a right to seek and obtain any necessary relief or remedy, including, but not by way of limitation, a judgment for money damages.

With respect to any activities authorized by Permit, when the Community requires insurance on its own or its contractor's behalf, it shall also require that such policy include as named insured the County of Wayne and all officers, agents and employees thereof. The incorporation by the County of this Resolution as part of a permit does not prevent the County from requiring additional performance security or insurance before issuance of a Permit.

This Resolution stipulates that the requesting Community shall, at no expense to Wayne County, provide necessary police supervision, establish detours and post all necessary signs and other traffic control devices in accordance with the Michigan Manual of Uniform Traffic Control Devices.

This Resolution stipulates that the requesting Community shall assume full responsibility for the cost of repairing damage done to the County road during the period of road closure or partial closure.

This Resolution shall continue in force from the date of execution until cancelled by the Community or the County with no less than thirty (30) days prior written notice to the other party. It will not be cancelled or otherwise terminated by the Community with regard to any Permit which has already been issued or activity which has already been undertaken.

The Community stipulates that it agrees to the terms of the County of Wayne permit at the time a permit is signed by the Community's authorized representative.

**BE IT FURTHER RESOLVED**, that the following individual(s) is/are authorized in their official capacity as the Community's authorized representative to sign and so bind the Community to the provisions of any and all permits applied for to the County of Wayne, Department of Public Services Engineering Division Permit Office for necessary permits from time to time to work within County road right-of-way or local roads on behalf of the Community.

<u>Name</u>	<u>Title</u>
John C. Hertel	Chairman, Huron-Clinton Metropolitan Authority Board of Commissioners
George Phifer	Director, Huron-Clinton Metropolitan Authority

I HEREBY CERTIFY that the foregoing is a true and correct copy of a resolution adopted by the Board of Commissioners of the *Huron-Clinton Metropolitan Authority,* County of Wayne, Michigan, on January 12, 2017.



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

# Action Requested: Motion to Receive and File

That the Board of Commissioners' receive and file the draft Kensington 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. Approval of the final plan will be requested by the Board of Commissioners at the Feb. 9, 2017 meeting.

# Attachment: Draft Kensington Master Plan



# **KENSINGTON MASTER PLAN**

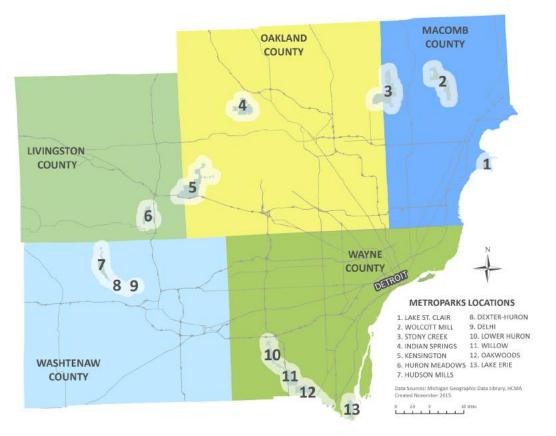


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# **INTRODUCTION**

# 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 .2146 mills.



#### PARK DEVELOPMENT TIMELINE

# **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.

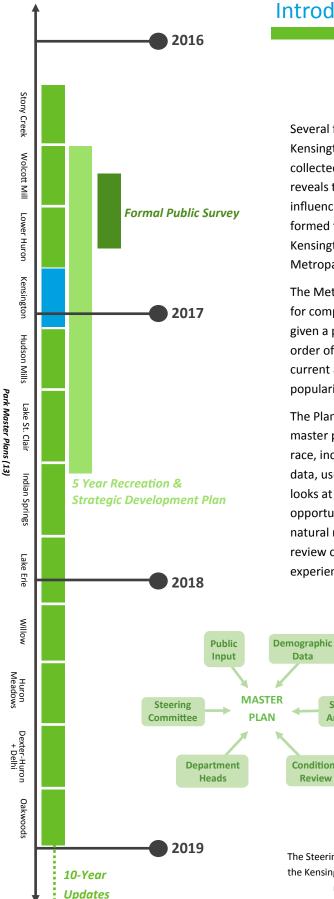
**Operational Departments** facilitate the day-to-day operations of the parks, making sure patrons have enjoyable and educational visits. They include Maintenance and Interpretive Services.

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 Kensington 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 Kensington and surrounding community, who along with the experienced Metroparks department heads provide their professional opinions.

The Metroparks Planning Department has 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. 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

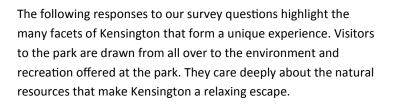
**Review** 

**Spatial** 

Analysis

# **KENSINGTON TODAY**

# Character

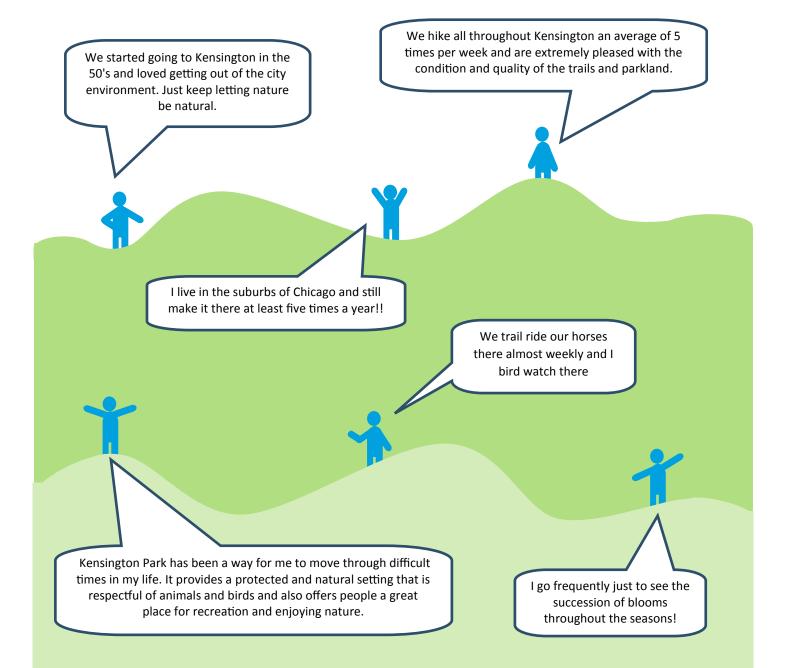


### **NEEDS**

Continue to draw diverse range of visitors to the park

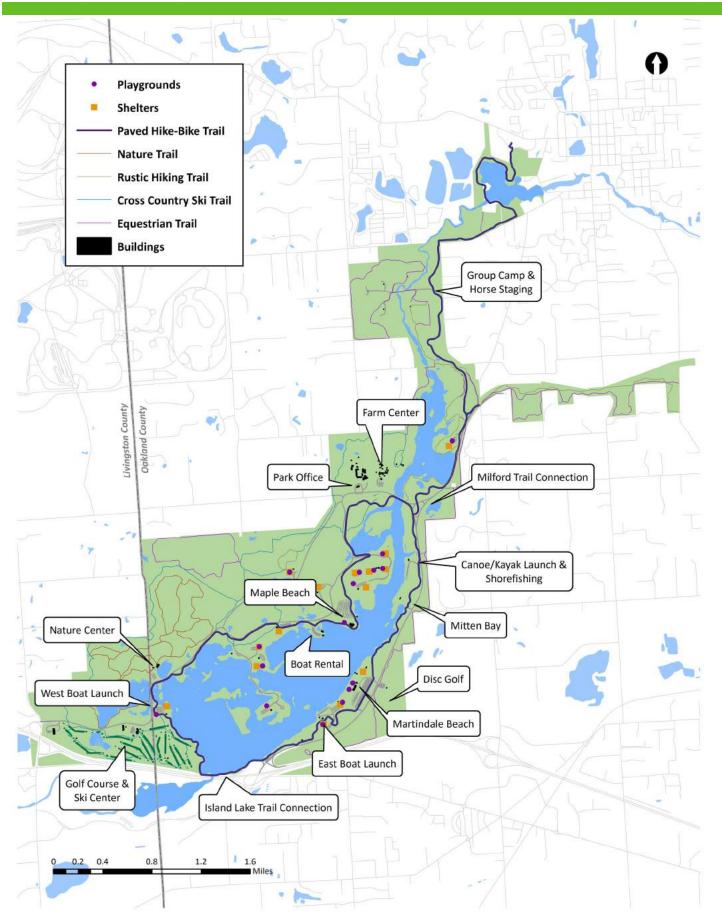
Build on current popularity to attract new users

### **OPPORTUNITIES**





### **General Map**

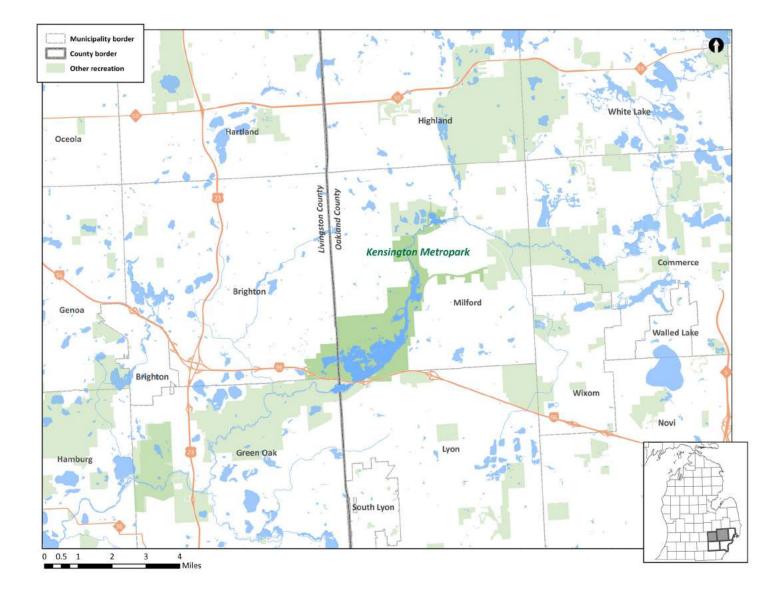




# Location 💡

Kensington Metropark is located on the border of Livingston and Oakland counties in southeast Michigan. The park sits in the southern portion of both counties. Most of the park is within Milford Township, but Brighton and Lyon Townships also contain portions of the park, and Green Oak Township contains less than an acre.

At its northernmost extent, Kensington reaches Mill Pond, to the east it reaches beyond Old Plank Road, its western boundary is Kensington Road, and to the south it extends just past I-96 to Grand River. The park is situated on the Upper Huron River and contains most of the dammed, 1,200-acre Kent Lake. A trail connects the park to Island Lake State Recreation Area to the south and Proud Lake Recreation Area to the east.



### 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

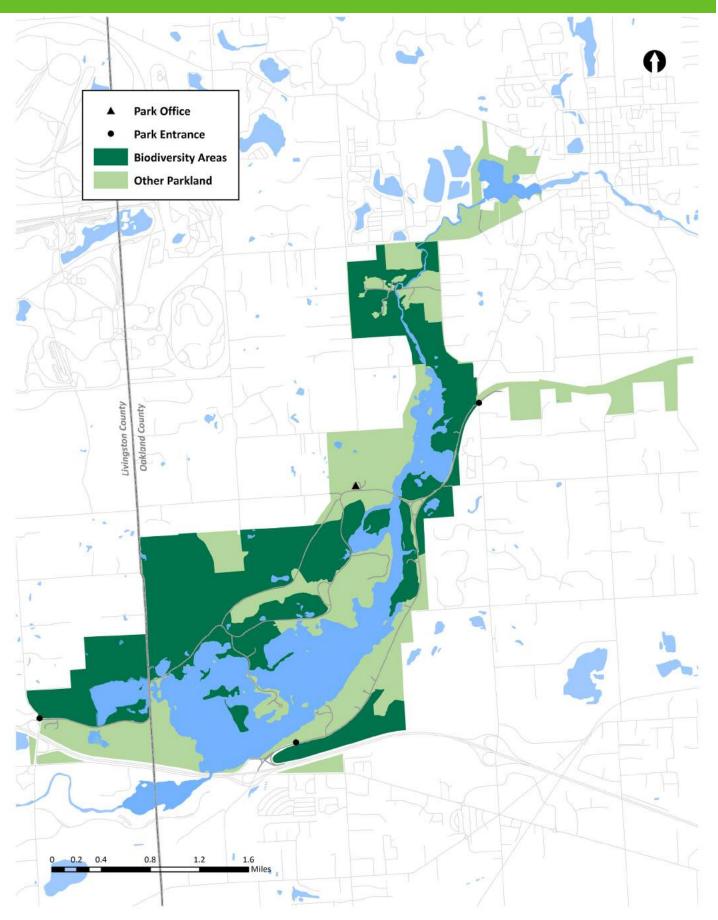
Identifying biodiversity areas can help inform the development of current and future park amenities, allowing the Metroparks to fulfill its mandate and mission statement of protecting the natural resources of the communities it serves. Development within biodiversity areas is carefully reviewed to minimize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

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 o f 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



# **Biodiversity Map**



### **NEEDS**

Better educate about and preserve important cultural features

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

### **OPPORTUNITIES**

# 🛉 Cultural History



**Ghost Town** 

The park is named after the town of Kensington, which was founded in 1832 and located on the Huron River. The center of town was located at the Detroit-Lansing toll road (later Grand River) and County Line Road (later Labadie). The first building was a sawmill, and it grew until it was once a bustling settlement, serving travelers with a bank, hotels, and taverns. One of the original stockholders of the bank, Kingsley S. Bingham, later became governor of Michigan, and lived in house that still stands in Green Oak Township. The bank is also known for producing its own independent notes in 1838. The fallout from this move, along with opposition to a railroad stop and a dam, contributed to the town's decline. By the 1930s it was a ghost town, and development of Kensington Metropark began in the 1940s with the damming and expansion of Kent Lake. The last town building to stand, the Kensington Baptist Church, was levelled in 1953 by a Rev. Morris of Novi. Traces of the town can still be seen in a cemetery and scattered foundation remnants.



The wildcat notes issued by the Kensington Bank

Drawing from memory of Kensington Bank



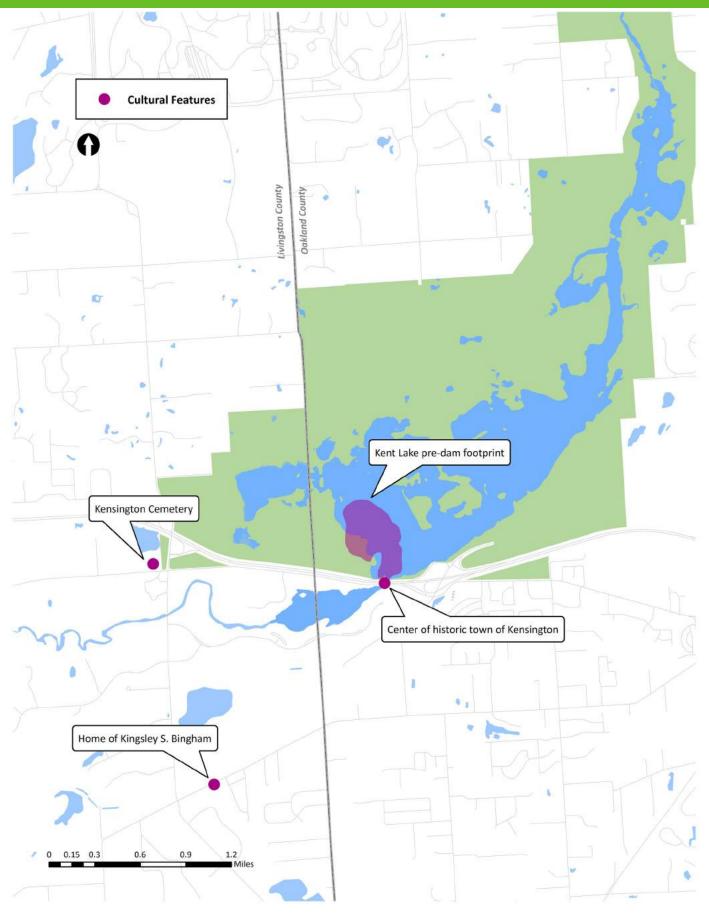
Kensington property prior to development and damming

### **Building a Lake**

During the life of the town of Kensington and up until construction by HCMA began in 1946, Kent Lake was a small sixty-acre swimming and fishing hole, described as "swampy" and hardly noticeable from the road. HCMA staff, though, saw the potential for a huge center of water recreation since few large lakes were in the immediate vicinity. They erected a dam across the Huron River and flooded Kent Lake into 1,200 acres, in order to accommodate the large numbers of anticipated swimmers, fishers, and boaters.



# Cultural History Map



# Infrastructure

In order to serve the varied needs of park visitors, Kensington 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.

Kensington is the largest Metropark, with a wide variety of recreational activities available. The infrastructure necessary to maintain these 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. Several recreation areas managed by state, county, and local governments are close to Kensington, and 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

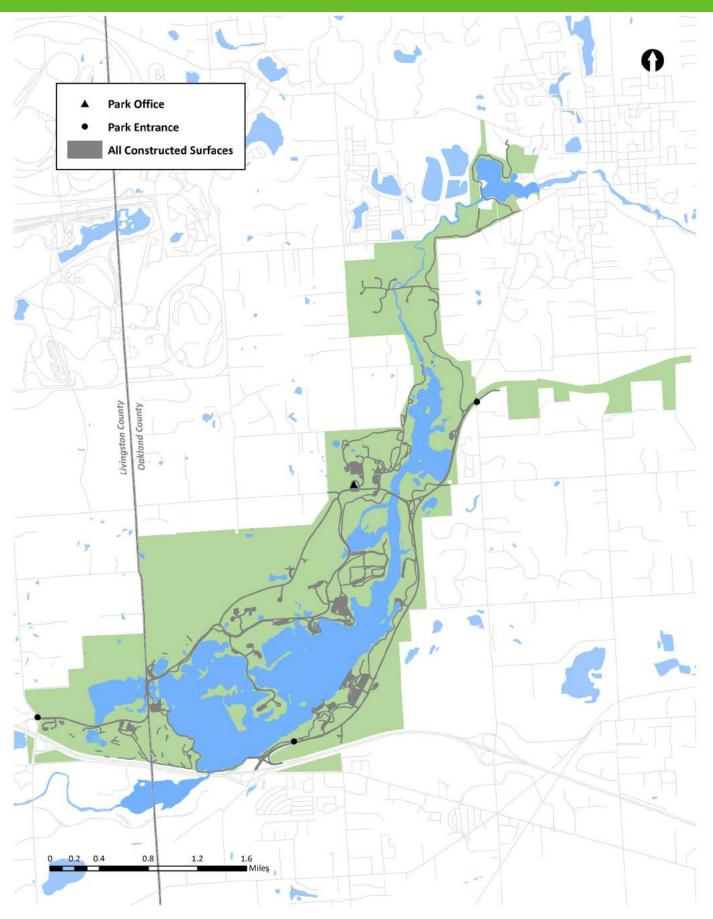
### **OPPORTUNITIES**

Kensington Infrastructure				
Public bldgs / avg age	12 / 26			
Service bldgs / avg age	16 / 42			
Comfort stations / avg age	9 / 28			
Paths & trail miles	57.41			
Road miles	14.9			
Parking lot acreage	37.83			
Playgrounds	20			
Percent of park mowed	8.8			
Picnic shelters	18			
Sand volleyball courts	8			
Baseball fields	7			
Fishing platforms	5			
Tennis courts	0			
Ice skating rinks	2			
Basketball courts	0			
Public canoe/kayak launches	3			



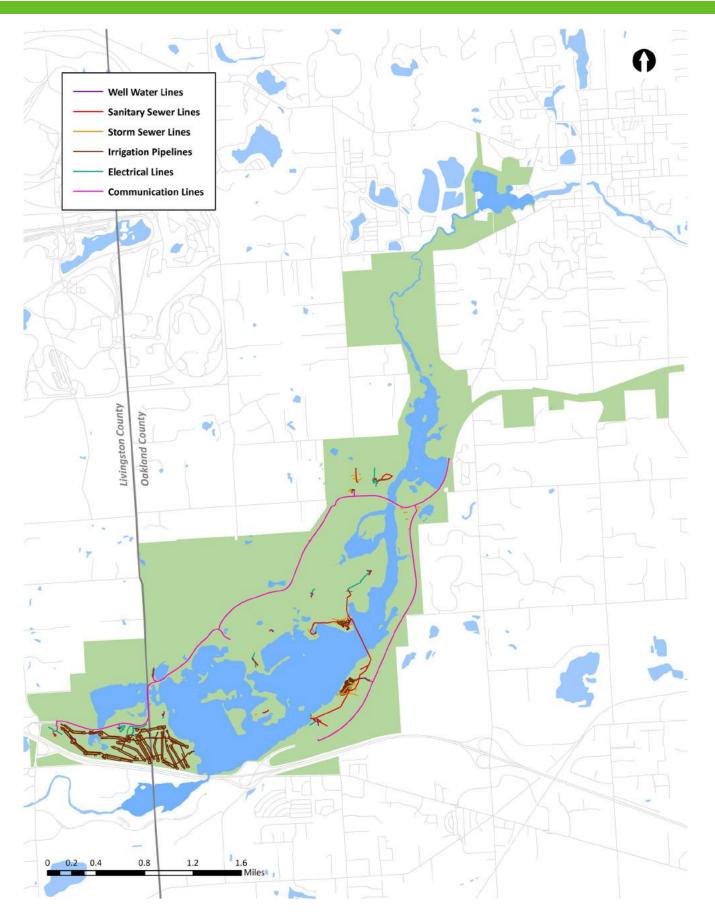


# Constructed Surfaces Map





Utilities Map





### **Nature Center**

The Nature Center houses reptiles and amphibians with interpretation for children and families, and hosts various educational activities. It is surrounded by miles of nature trails traversing lakes, forests, and fens.

### **Golf Course**

This is one of the most popular golf courses in the Metroparks system, and regularly hosts leagues and outings. Scenery to enjoy while playing includes forests and the great expanse of Kent Lake.

### **Martindale Beach**

This popular beach allows for swimming, wading, and relaxing on the shores of Kent Lake. It includes a waterslide and a splash pad as well as refreshments, and is full of kids and adults trying to cool off during the summer months.



# **Facilities & Centers**

Kensington 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.

### **Farm Center**

The Farm Center draws families from around the region to learn about the life cycle and habits of cows, horses, sheep, pigs, chickens, and more. With regular educational programming, seasonal activities, and a new summer farmer's market, this is a hub of activity throughout the year.



### **Kensington 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 and disc golf, neighborhood sports facilities, and interpretive programs that compete with those offered at Kensington. Although the general area shown on the map is recreation-rich, especially in terms of public beaches on the lakes to the northeast, Kensington offers unique opportunities in the immediate vicinity. Still, it should be noted that 22 public beaches can be found within five miles of the park.

### **NEEDS**

Identify areas of facility duplication

Provide unique recreational facilities to draw visitors from across the region

### **OPPORTUNITIES**

#### **Boat Launch** . A Boat Rental **Pools and Aquatic Centers Disc Golf** Golf Tennis/Baseball/Basketball Courts **Public Beaches** ٠ Interpretive Programs County border **5 Mile Buffer** Livingstor Oakland Kensington Metropar Amenities within 5-mile radius of park Boat Launch 7 **Boat Rentals** 3 Pools 0 **Public Beaches** 22 **Disc Golf Courses** 1 Golf Courses 10 Tennis / Baseball / Basketball 125 Courts 0.75 1.5 4.5 3 Miles

### **NEARBY FACILIITES**

4

# Kensington Today

### NEEDS

Work with county to address park boundary issues

Create good working relationship with neighbors and partner organizations

### **OPPORTUNITIES**

### Grants

Over its history Kensington has received several grants from the DNR for land acquisition, trail development, 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. Almost all of Kensington is encumbered, as shown on the following page.

The generous grants from the DNR and other sources have allowed the Metroparks to develop Kensington into the hub of high-quality recreation that it is today.





### **Encroachments**

The Planning Department has worked with Kensington 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 Kensington abuts several residential backyards, 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**

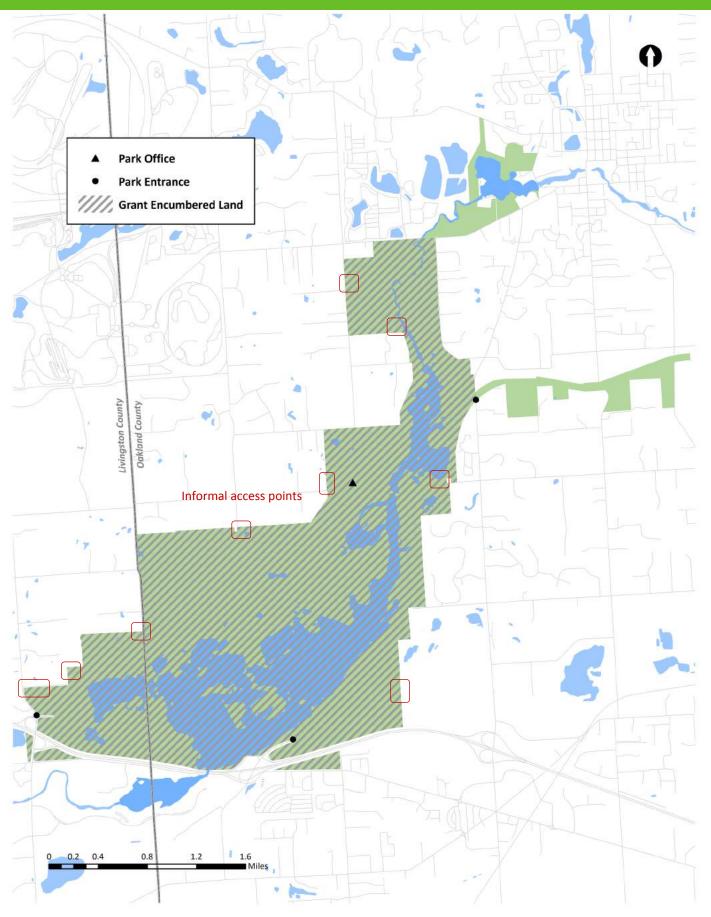
Kensington contains various utility easements, meaning that utility providers are allowed to use certain sections of land to run power lines or other equipment, in order to provide service to the surrounding area. In the future, the Metroparks will collaborate with surrounding municipalities and agencies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

### **Adjacent Property Uses**

Property uses adjacent to the park include single-family residential and industrial, and a small amount of commercial.



# Land Map



# **Vehicular Wayfinding**

### **Standardization**

Currently Metroparks include signage installed at various times with various standards and designs. This does not reinforce the parks working together as a system and can be confusing for visitors. As older signs reach the end of their lives, they will be replaced with new, standardized signs.

### Simplicity

In many parks, including Kensington, an abundance of signage is not necessarily useful for directing visitors. Minimizing duplication of signs and expressing sign information simply will 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**

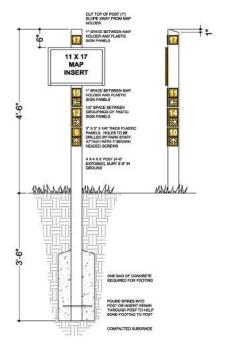
### **NEEDS**

Replace outdated, confusing, inconsistent signs

Create consistent, convenient wayfinding system to give visitors confidence

### **OPPORTUNITIES**





# Kensington Today

# Trails /

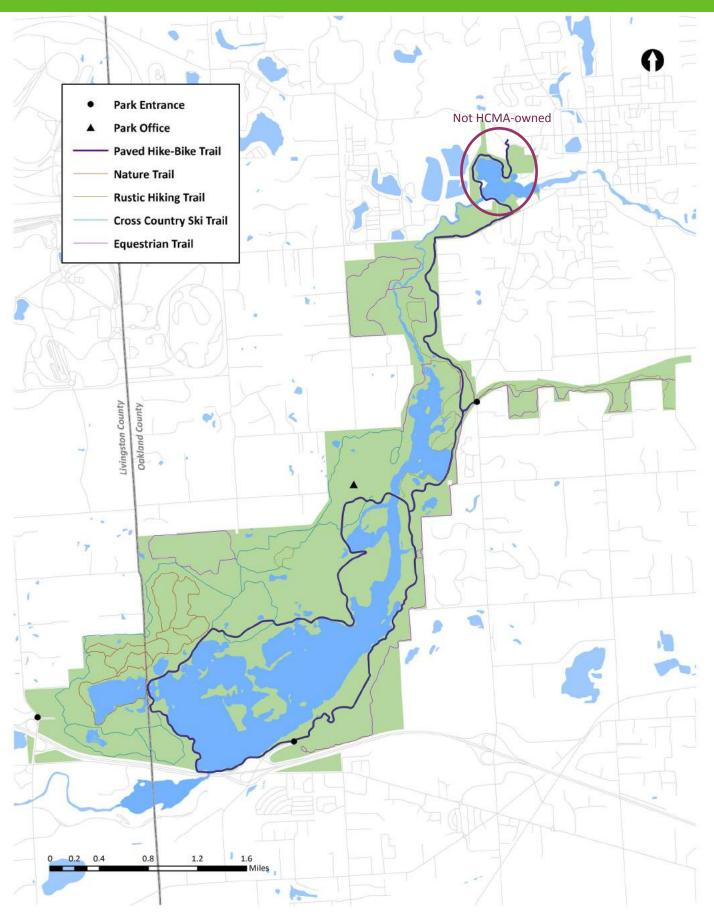
As part of the master planning process, staff have categorized and defined the various types of trails in the park, inventoried the miles, and specified the uses and design of each. This formal listing allows for assessment of availability of trails for various users in comparison to user group demand. 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)	12	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	7.09	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.	
Rustic Hiking Trail	6.19	Pedestrian use only; running, jogging and pets. Snowshoes and cross- country skiing are permitted on designated trails only.	Motorized vehicles, bikes and horses.	Width and material vary, often dirt trails.	
Equestrian Trail	17.4	Horses and Pedestrians; cross-country skiing is permitted in the winter on designated trails only.	Motorized vehicles, pedestrians, bikes, snowshoes and pets.	Typically dirt single track, trail widths vary.	
Cross-Country Ski Trail	11	Cross-country skiing only. Many are used for other activities during the summer.	Motorized vehicles, snowshoes, hiking, bikes, horses and pets.	Snow covered.	
Huron River Water Trail	6.2	Canoeing and kayaking	Other uses are present in river but are not considered part of water	Water	

# Kensington Today

# Trails Map





# 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 Lower Kensington 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

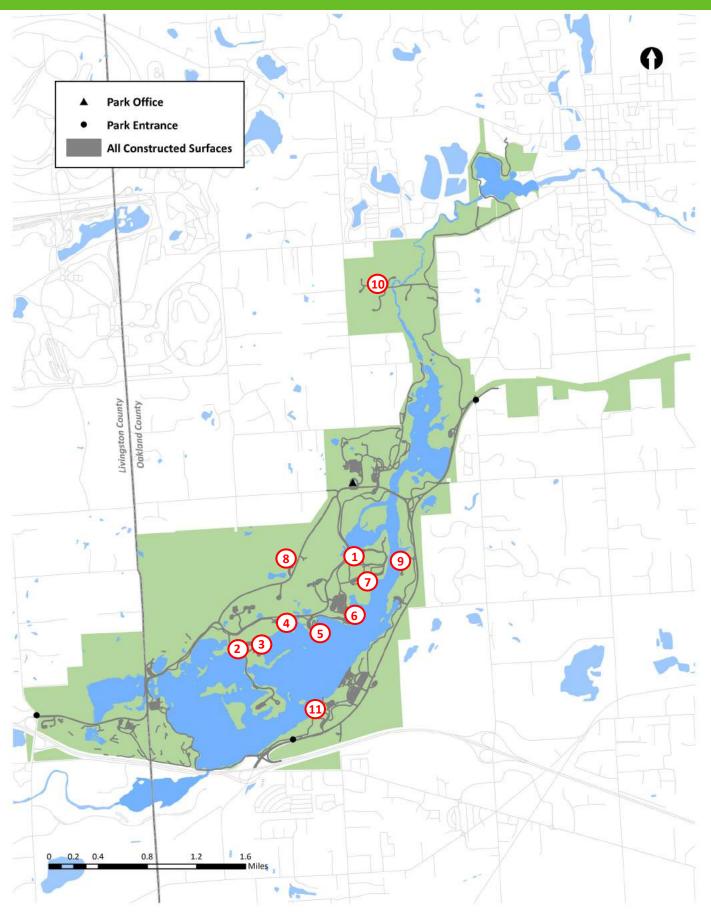
### **OPPORTUNITIES**

Area	ID #	Description
Hike-Bike Trail	1	There are likely sections near Playfield that have slopes greater than 5%
Island Drive	2	Needs accessible pathway to the vault latrines.
Hickory Ridge	3	An accessible walkway is needed to both picnic shelters, and should link the shelters to restroom building.
Baywoods	4	An accessible walkway is needed to both picnic shelters, and should link the shelters to restroom building.
Boat Rental	5	The main walk to the boat rental may be too steep. An ADA kayak launch is needed.
Maple Beach	6	The main walk to the beach may be too steep, need for ADA access to beach/water.
Playfield / Possum Hollow	7	Access walks needed to multiple shelters (2) and a play area. These walks should provide access to the restroom buildings in the picnic area. The fit trail is not ADA accessible. Additional walkways to restrooms.
Spring Hill	8	Vault latrines are likely not accessible.
Shore Fishing	9	The vault latrines are not accessible.
Group Camp	10	The vault latrines are not accessible.
East Boat Launch	11	Requires accessible kayak launch system and launch surface, and accessible routes to toilet, water source, and picnic area.

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 chosen by the aforementioned organizations for all HCMA parks.



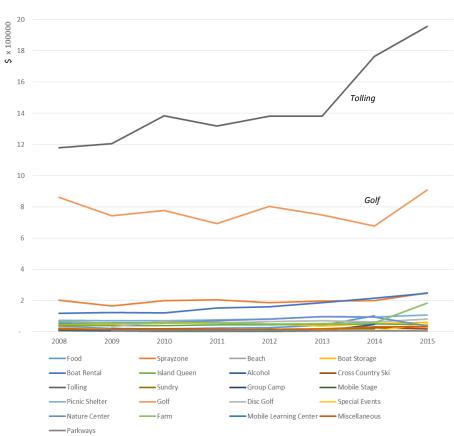
# Accessibility Map



# **REVENUE**

# Revenue Sources

#### REVENUE TRENDS-2008-2015



### **NEEDS**

#### **Diversify sources of revenue**

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

### **OPPORTUNITIES**

The Metroparks 2015 General Fund revenue equaled \$48,477,108. Kensington's 2015 operations revenue was approximately \$4,019,627, comprising 8.3% of all Metroparks revenue.

Kensington's budgeted 2017 operations revenues are \$4,284,308, while estimated 2017 operations expenses are \$6,906,369. Property tax and other revenue will subsidize 38% (\$2,622,061) of the Kensington operating budget.

As the chart illustrates, nearly all revenue comes from park entrance tolling and golf.

#### **2015 Operations Revenue**

Revenue Source	2015 Total	% of Revenue	Revenue Source	2015 Total	% of Revenue
Tolling	1,957,245.92	48.69	Island Queen	44,101.50	1.10
Golf	908,796.32	22.61	Nature Center	35,706.94	0.89
Sprayzone	249,207.62	6.20	Miscellaneous	29,294.73	0.73
Boat Rental	245,919.04	6.12	Mobile Learning Center	23,794.25	0.59
Farm	183,579.67	4.57	Cross Country Ski	18,404.15	0.46
Picnic Shelter	105,975.00	2.64	Group Camp	11,469.14	0.29
Disc Golf	79,233.34	1.97	Mobile Stage	7,850.00	0.20
Boat Storage	60,361.25	1.50	Beach	6,435.30	0.16
Special Events	48,927.00	1.22	Parkways	3,325.75	0.08

TOTAL: 4,019,626.92

### Revenue

# **Visitors**

Kensington Metropark is a regional park and can draw from the 3,566,644 people 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 Kensington Metropark have hovered between 700,000 and 800,000 since 2008, high even in relation to other popular Metroparks. Weather often plays a role in attendance to the park; activity areas greatly affected by weather are the trails, beaches, boat rental, disc golf course and golf course. This may explain the dips in attendance visible in 2011 and 2013

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.



Farm Center Spring Festival



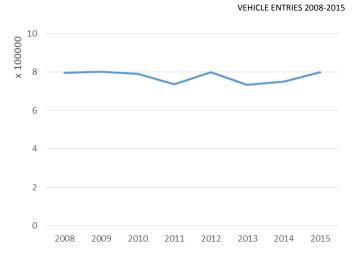
Popular Martindale Beach

### **NEEDS**

Maintain and build upon high vehicle entry rates

Take advantage of popularity to grow revenue and system awareness

### **OPPORTUNITIES**



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Kensington Metropark 30-Mile radius

### Revenue

# Programs & Events



**Michigan Philharmonic** 



Down and Dirty Mud Run



**Colonial Kensington** 

### **NEEDS**

Increase revenue and visitation

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

### **OPPORTUNITIES**

Kensington hosts scores 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. Both the Farm Center and the Nature Center host a full schedule of programs throughout the year. All are essential parts of the Kensington experience, and part of what makes this a premier regional park.

Recent events include:

- Discraft Great Lakes Open Tier for the Pros
- US Amateur Disc Golf Championships
- BIA of MI Fishing Tournament & Picnic
- Fireworks
- Michigan Philharmonic Concert
- Kensington Marathon
- Canoe/Kayak Race
- Colonial Kensington
- Rainbow Connection Walk for Kids
- Merrell Down & Dirty Mud Run
- Life Challenge Walk
- Kensington Critters
- Beasts at the Beach
- Breeding Bird Survey
- Butterfly Count
- Summer Solstice Campfire
- Bug's Eye View
- International Mud Day
- Explorer's Day Camp
- Colonial Kensington
- Voyageur Canoe Trip
- Farmer for a Day
- Kensington Women's Adventure
- After Dark at the Farm

# **COMMUNITY INFLUENCES**

# Population

The population of the communities surrounding Kensington is aging rapidly and changing in mobility. The percentage of households without access to an automobile is rising in the region and Oakland County, and the greatest rate of change is in the municipalities directly surrounding Kensington. 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.

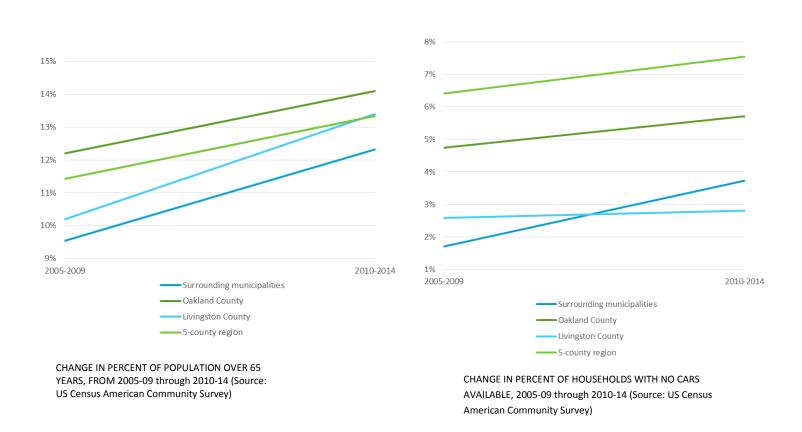
### **NEEDS**

Address changing needs of new population demographics

Draw new users with an accessible, welcoming park environment

### **OPPORTUNITIES**

The percentage of individuals over 65 years of age is rising quickly in the region, Oakland and Macomb counties, and communities surrounding the park. The steepest climb is occurring in Livingston County. 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.





### **Community Influences**

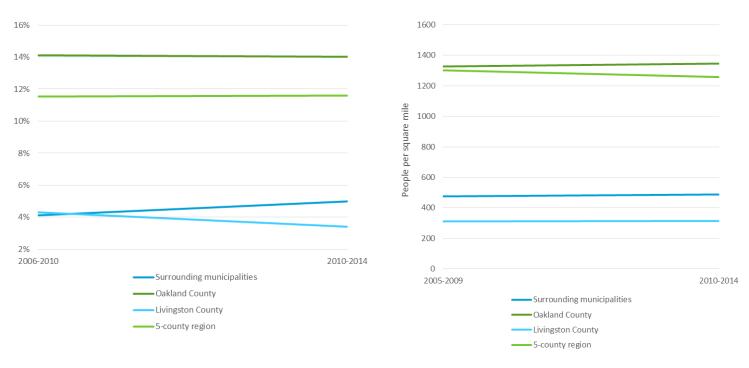
As shown below, Kensington is located past the western edge of the suburban ring around Detroit, largely in the midst of rural low-density areas with less than one thousand residents per square mile. It does touch slightly higher-density areas of Milford to the north and Lyon Township to the south. All this creates unique land use and park access challenges and opportunities.

While on average the 5-county region is falling in population density, the population in the municipalities surrounding Kensington has stayed largely constant over the past ten years. Staying aware of development changes in the area will be important to gauge recreation needs.

Although most households in the area still speak English as their first language, the communities around Kensington are seeing an 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.



POPULATION DENSITY BY CENSUS TRACT, 2010-14



CHANGE IN PERCENT OF HOUSEHOLDS SPEAKING LANGAGE BESIDES ENGLISH AT HOME, 2006-10 through 2010-14 (Source: US Census American Community Survey) CHANGE IN AVERAGE POPULATION DENSITY, 2005-09 through 2010-14 (Source: US Census American Community Survey)

## **Community Influences**

### **NEEDS**

Improve park connectivity with community

Create good working relationship with surrounding municipalities

### **OPPORTUNITIES**

### **Milford Township**

- Joint master plan with Village of Milford
- Planning for population increase, Smart Growth
- Gradual transition of urban to rural districts
- Metroparks included in master plan
- Interest in non-motorized collaboration

### Lyon Township

- Conservation of remaining open areas
- New zoning categories to accommodate development
- Need for senior housing options
- Interest in conservation easements and land trusts
- Interest in non-motorized collaboration

### **Brighton Township**

- Aging residents may require limited mixed use developments
- Planning for cluster developments and service boundaries to preserve open space
- Planning for new trails and pedestrian safety

#### **Green Oak Township**

- Balancing commercial development and open space
- Planning for cluster developments and service boundaries to preserve open space
- Created Path and Greenway Plan

#### **Huron River Watershed Council**

- Improve climate resiliency of communities on the watershed
- Green infrastructure for local governments program
- Collaboration in stormwater management efforts
- RiverUp! program supporting placemaking in river towns
- Huron River Water Trail partner facilitation

# **Projects/Initiatives**

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

### **Oakland County**

 Green Infrastructure Vision linking Kensington to other open space and recreation

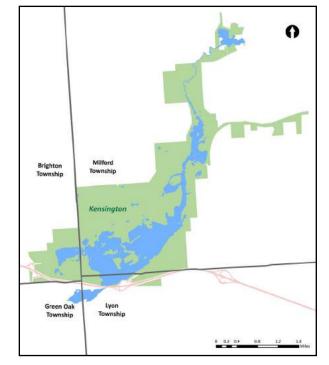
#### **Livingston County**

• Development of land bequeathed to county as parks that complement existing recreation

#### **SELCRA**

 Work with regional recreation providers to expand opportunities and improve connectivity

MUNICIPALITY MAP



### **Relevant Planning Documents**

#### Kent Lake Subwatershed Management Plan, 2002

"The anticipated increase in development and subsequent hard surfaces in the Kent Lake Subwatershed, combined with the loss of open space, is expected to cause an increase in an already excessive nonpoint source pollution situation." pg. vii

### Green Oak Charter Twp Master Plan, 2014

"The Township acknowledges the greater need for non-motorized transportation facilities, and the Township's desire to maintain and expand the Lakelands Trail pathway system for residents to safely walk or bicycle, linking local recreational and open spaces, like Island Lake State Recreation Area, with residential areas, schools, community facilities and shopping." pg. 116

### Milford Community Master Plan, 2009

"Maintain a policy of controlled growth based upon the principles of "concurrency" – requiring facilities and services at the time of development and "sustainability" – making community planning decisions that will benefit, not burden or penalize, the community's future generations." pg. 13

#### Brighton Twp Master Plan, 2014

"Development within the Township should be directed to areas that can best sustain the physical changes to the landscape without negatively impacting the community's natural features. Those areas which are not well adapted to development, or if developed may have major impacts to other parts of the community, should be protected. The conservation of these natural features will also increase the quality of life for Township residents." pg. 62

### Charter Twp of Lyon Master Plan, 2012

"In Lyon Township a complete street policy would ensure that options for pedestrians and bicyclists, in addition to cars, are incorporated into our daily transportation decisions. ... The availability of multiple modes of transportation improves the safety of the Township's roadways and provides residents and visitors with options to access key commercial recreational, and employment centers in the community and the region." pg. 7-19

### SEMCOG Green Infrastructure Vision for SE Michigan, 2014

"Public accessibility to the green infrastructure network is paramount, including access to parks, trails, water, and ensuring public spaces are designed for all residents." P 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 Kensington a wider context and in many cases underscore the importance of the park's resources to citizens.

Kensington 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 Kensington Master Plan. Many communities are currently advancing their non-motorized networks, seeking grant funding to create greenways and paths, and cooperating to provide linked green and recreation spaces to their constituents.

Several other state, county, and local parks are located close to Kensington Metropark, leading to exciting opportunities for non-motorized connections and collaboration among agencies.

# DRAFT **PUBLIC INPUT**

# September **Steering Committee Meeting 1** 9/5/16 PLAN DEVELOPMENT October Public Input Meeting 1 10/8/16 2016 November **Steering Committee Meeting 2** 11/2/16 **PLAN DEVELOPMENT** December **Public Input Meeting 2** 12/3/16 January Plan presented to Board of **Commissioners for review** 2017 Draft posted online for public comment **February** Plan presented to Board of

**Commissioners for approval** 

Outreach Process

Since this park belongs to the people of southeast Michigan, the Planning Department aimed to include the public in multiple stages of the planning process.

The planning process began with a meeting of the steering committee, which identified organizations and individuals with significant investment in the park for targeted invitations to the public meeting. A strategy for soliciting general participation in the public meeting was also discussed.

The next step was a public meeting with community members to gather initial ideas about the direction of the park. A general park feedback survey was posted online and advertised both by Metroparks social media and by staff distribution of flyers to libraries and community centers in the surrounding areas.

These ideas were taken into account, along with staff feedback and other data, in developing initial recommendations. These were then presented to the public at a second meeting, and feedback was collected, analyzed, and incorporated into a draft Master Plan document.

This document was posted online in November for final public comment, which influenced the final Master Plan sent to the Board of Commissioners for approval in December.

### Public Meeting 1 - 10/8/16

- Explanation of and timeline for the planning process
- General park information and map
- Regional map on which participants placed stars to indicate their place of residence in relation to the park
- Exercise in which participants placed pom-poms representing resources in jars representing activities, expressing their opinion on where investments should be made
- Opportunity to fill out survey in person

### Public Meeting 2 - 12/3/16

- Short presentation on survey results, community influences, and intended projects
- Opportunity for participants to write down feedback on intended projects



### **Public Input**

# Results **N**

An overwhelming theme throughout all public participation was concern for the natural areas in Kensington and a desire to keep the park "wild." In the pom-pom investment activity, the Natural Resources category was by far the most popular, followed by the Nature Center and Biking/Hiking. Golf/Disc Golf and Fishing received the fewest votes.

Natural resources advocates were active participants throughout the public input process for the Kensington master plan. In between the first and second public meetings, representatives of local Sierra Club groups reached out to express further concern over the extent and timing of mowing in Kensington and other Metroparks. The Crossroads group, representing 1,000 members, passed a resolution encouraging the Metroparks to reduce mowing on roadsides and to cease or more appropriately schedule regular mowing of natural areas. Individuals from two additional groups, representing over 7,000 members combined, also signed this letter.

A large number of mountain biking enthusiasts also responded to the questionnaire. They expressed appreciation for the connector trail that runs through the east arm of Kensington into Proud Lake State Recreation Area, but felt that the park would benefit from more mountain biking trails, including a complete loop.



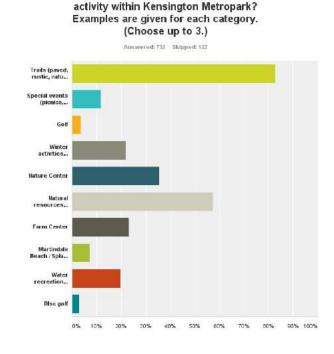




Directly above: photo credit Instagram @detroitdj

At the second public meeting, planning staff presented the action plan items for participant input. Participants at this meeting continued to voice their interest in reduced mowing and brush cutting, which will be taken into consideration during the revision of the Grasslands Management Plan by the Natural Resources department in 2017. They also supported locating new development projects in already developed areas of the park.

Q6 What is your favorite part of the park or





# **Questionnaire Response Topics**

#### Access

- Reduce cost
- Improved path connectivity
- Improved parking at Windfall Hill, Nature Center, Maple Beach
- Add annual pass entry lane
- Improve ease of access for photographers
- Access to beaches
- Coordination with other agencies
- Improved access to restrooms

#### **Environment**

- Reduce and better time mowing
- Remove invasives and plant natives
- Reduce paving
- Stop culling animals
- Focus on preserving habitat
- Provide quality birding experience

#### Maintenance

- Improve trail maintenance
- Keep trash cleared
- Remove water obstructions
- Keep bathrooms cleaned
- Maintain disc golf course
- Maintain equestrian trail
- Improve road and trail pavement
- Keep lake clear

#### Facilities

- Expand watercraft rentals
- Improve nature center
- Improve sand, features on beaches
- Add bike rentals
- Update aged buildings
- Improve canoe campground, launches
- Add public campground
- Add sports courts
- Add pool
- Add play areas
- Enhance farm area
- Need for golf course driving range
- Add mini cabins

#### Programming

- Relax geocaching rules
- Publicize activities
- Have older children activities
- Add cross country ski events
- Add more historical events
- Relax insurance requirements
- Host native planting events
- Sell birding items
- Offer volunteer naturalist opportunities
- Improve concerts
- Improve police patrol

#### Safety/Signage

- Address user conflict among cars, bikers, walkers, runners, pets
- Better enforce speeding/traffic rules
- Add bike lanes on the roads
- Provide more signage for rules
- Provide better wayfinding signage and trail maps
- Patrol nature trails
- Enforce ban on smoking
- More interpretive signage

#### **Trails**

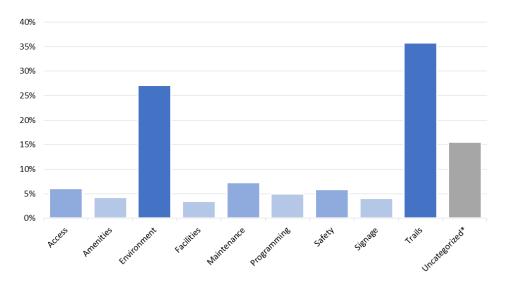
- Add dirt running trails
- Add more hiking trails
- Add more cross country ski trails
- Add mountain and fatbiking trails
- Add more bike paths
- Protect nature trails

#### Amenities

- Add more drinking fountains, water for horses/dogs
- Improve/add bathrooms
- Add benches
- Increase food options
- Add more trash cans
- Firewood delivery in campsites
- Add recycling bins in picnic areas

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.



## **Public Input**

### **Participation**



The Kensington Master Plan online and hard copy questionnaire received 854 responses, and 64 individuals attended the two public meetings. As shown below, the questionnaire drew responses from twenty counties in Michigan, as well as a handful from other states.

### **Questionnaire Response Zip Code Map**

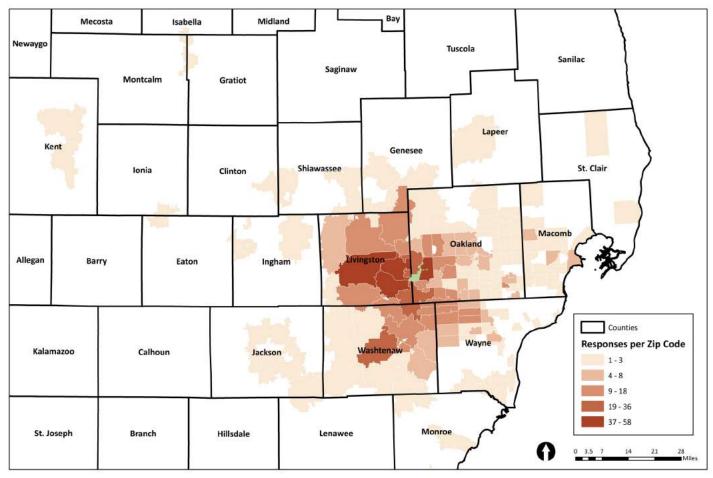
### **NEEDS**

Incorporate variety of opinions and user groups into master plan

Create vibrant park through robust, transparent public outreach

### **OPPORTUNITIES**





# **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

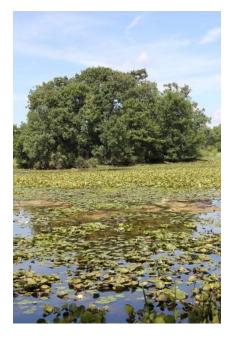
- Continue to draw diverse range of visitors to the park
- Define and protect areas with important biodiversity features
- Better educate about and preserve important cultural features
- Address aging and overbuilt infrastructure
- Identify areas of facility duplication
- Work with county to address park boundary issues
- Replace outdated, confusing, inconsistent signs
- Diversify sources of revenue
- Maintain and build upon high vehicle entry rates
- Increase revenue and visitation
- Address changing needs of new population demographics
- Improve park connectivity with community
- Incorporate variety of opinions and user groups into master plan

### **Opportunities**

- Build on current popularity to attract new users
- 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
- Offer new and exciting activities/programs to visitors of the park to both boost tolling and gather user fees
- Take advantage of popularity to grow revenue and system awareness
- Build on enthusiasm of Kensington visitors with exciting, engaging programs and events
- Draw new users with an accessible, welcoming 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 (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Implement Maple Beach redevelopment plan	Engineering	Planning, Operations	Contractors	\$500,000	x	x	
Implement Park Office/HCMA Administrative Office redevelopment plans	Engineering	Planning, Operations	Contractors	\$2,500,000	x		
Nature Center interior/exterior building renovations	Engineering	Interpretive, Maintenance	Contractors	\$100,000	x		
Implement Nature Center parking and circulation plan	Engineering	Planning, Interpretive	Contractors	TBD	x	x	
Martindale Beach: construct new picnic shelter and toilets at south end	Engineering	Planning, Operations	Contractors	\$100,000		x	
Implement Farm Center selective redevelopment plan	Engineering	Interpretive, Planning, Operations, Maintenance	Contractors	TBD	x	x	
Implement Mitten Bay redevelopment plan	Engineering	Planning, Operations	Contractors	TBD		x	



# **Infrastructure / Small Facilities**

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Pavement projects (list developed annually, as needed)	Engineering	Planning, Operations	Contractors	various	х	x	x
Accessibility improvements, including interiors and walkways - parkwide	Engineering	Planning, Operations	Contractors	various	х	x	
Fit Trail sign and equipment replacement	Planning	Engineering, Operations		\$25,000	x		
East Boat Launch: pier and wave breaker replacement, reconstruct trailer parking area	Engineering	Planning, Operations	Contractors	TBD	x	x	
Hike-bike trail: wall replacement (east), decking repairs along I-96	Engineering	Planning, Operations	Contractors	\$320,000	x		
Implement high ropes course development plan	Planning	Administrative, Operations, Maintenance	Go Ape (partner)	TBD	x		
Black Locust Disc Golf Course: install vault latrine	Engineering	Planning, Operations	Contractors	\$50,000	x		
Implement Orchard Picnic Area selective redevelopment plan	Engineering	Planning, Operations	Contractors	TBD		x	
Implement Playfield Picnic Area selective redevelopment plan	Engineering	Planning, Operations	Contractors	TBD		x	
Update play structures as needed	Engineering	Planning, Operations		TBD	x	x	x
Update site furnishings (benches, fencing, parking blocks, etc.) as needed	Engineering	Planning, Operations		TBD	x	x	x
Playfield pit toilet replacement	Engineering	Planning, Operations		\$125,000		x	
Group Camp bridge deck rehabilitation and railing replacement	Engineering	Planning, Operations		TBD	x	x	

# **Natural Resources**

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Vegetation and Invasive Species Management (annual)	NR	Planning, Operations	Contractors	\$30,000	x	x	x
Landscape tree diversification (annual)	NR	Planning, Operations		\$3,500	х	x	x
Sustainability initiatives	NR	Planning, Engineering, Interpretive		\$3,500	x	x	x
Hazardous waste removal (annual)	NR			\$1,000	х	х	x
Early detection, rapid response. Invasive species surveys and control in high quality natural areas (annual)	NR	Interpretive	NGOs	\$10,000	x	x	x
Deer cull to maintain deer at roughly 15/ square mile.	NR	Police		staff time	x	x	x
Geese and Mute Swan Management	NR	Operations, Interpretive		\$5,000	x	x	x
Lake Vegetation Monitoring and Treatments (annual)	NR		Contractors	\$37,000	x	x	x
Oak Barren/ Savanna/ Prairie Restoration (multiple sites, Group Camp, East Border, Spring Hill, Hickory Ridge)	NR		USFWS, TNC, MDNR, NGO's	\$150,000	x	x	
Wastewater treatment facilities upgrade (lagoon, comfort stations)	Engineering	Operations, NR	MDEQ	TBD	х		
Conduct Prescribed fire in adapted native communities	NR		Contractors	\$4,000	x	x	x
Oak wilt control and prevention	NR	Operations, Interpretive	MDNR	\$4,500	x	x	x
High quality fen and tamarack swamp restoration	NR		MDNR, NGO's	\$50,000	x	x	x
Storage Building Upgrades (chemical, fuel, and equipment)	NR	Operations		\$5,000	x		
Phragmites Control	NR		Contractors	\$5,000	x	x	x

# Signage

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Roadside wayfinding/directional signage updates - parkwide	Planning	Maintenance, Operations		\$15,000	x		
Trail wayfinding and interpretive signage improvements - Nature Center	Planning	Maintenance, Interpretive, Operations		\$10,000	x		
Wayfinding and interpretive signage improvements - Farm Center	Interpretive	Planning, Operations, Maintenance		\$15,000		x	
Updates to trailheads	Planning	Maintenance, Interpretive, Operations		\$1,500 per structure	x	x	x
Improve road crossings	Engineering	Planning, Operations		TBD	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 (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Update trail maps to show opportunities for walking/hiking/trail running	Graphics	Planning		staff time	x		
Oak wilt monitoring and prevention (annual)	NR	Operations	MDNR	staff time	x	x	x
Maple Beach redevelopment plan: demolish existing buildings, construct rental shelters and restrooms, consider incorporation of canoe/kayak rental	Planning	Engineering, Operations, Maintenance		staff time	x		
Farm Center selective redevelopment plan: replace playground structure, improve connectivity and circulation, enhance user experiences	Planning	Interpretive, Engineering, Operations, Maintenance		staff time	x		
Park Office redevelopment plan: relocate and redevelop park office at park entrance	Planning	Engineering, Operations, Maintenance		staff time	x		
HCMA Administrative Office development plan	Executive	Administrative	Consultant	TBD	x		
Nature Center parking, circulation, and building plan: parking lot reconstruction, trail improvements, paved trail connectivity to West Boat Launch (overflow parking)	Planning	Engineering, Interpretive, Operations		staff time	x		



Key Project Map

# Area Plans/Studies/Initiatives (cont'd)

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Mitten Bay structural monitoring	Engineering	Operations, Maintenance		staff time	x		
Windfall Hill Picnic Area use monitoring to determine future	Planning	Engineering, Operations		staff time	х		
Mitten Bay redevelopment plan	Planning	Engineering, Operations, Maintenance		staff time	x		
Martindale Beach picnic shelter site plan	Planning	Engineering, Operations		staff time	x		
Martindale Beach Splash 'n' Blast renovation plan: determine capacity of mechanical room for addition of features catering to older youth	Planning	Engineering, Operations		staff time	x		
Orchard Picnic Area selective redevelopment plan: enhanced winter activities for year-round use	Planning	Engineering, Operations		staff time		x	
Playfield Picnic Area selective redevelopment plan: replace Fit Trail signage (potential relocation), remove small play areas, add large playground	Planning	Engineering, Operations		staff time		x	
High ropes course site selection and development plan	Planning	Administrative, Operations, Maintenance	Go Ape (partner)	\$10,000	x		
Eastern Massasauga Rattlesnake Population Assessment	NR	Interpretive	Consultants	\$40,000	x		
Fisheries Assessment and creel survey	NR		MDNR	\$25,000	x		
Grassland Management Plan (biennial review)	NR	Operations, Interpretive		staff time	x	x	x



Key Project Map

# Area Plans/Studies/Initiatives (cont'd)

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2017-2021)	Mid-Term (2022-2026)	Long-Term (10+ years)
Establishment of a comprehensive Oak Wilt monitoring and treatment protocol	NR	Operations	MDNR	\$10,000	x		
Deer program evaluation (vegetation study)	NR	Interpretive	Contractors	\$30,000	x		x
Establish Invasive Species Control Tracking Website	NR	IT	MNFI, MISIN	staff time	x		
Comprehensive wildlife surveys and mapping (Birds, insects, freshwater mussels)	NR	Interpretive	Consultant, MNFI, NGOs	\$35,000	x		x
Reorganize maintenance area to consolidate operations and improve circulation	Engineering	Planning, Operations, Maintenance		TBD	x	x	
Lake and River Access Evaluation: canoeing, kayaking, kiteboarding, windsurfing	Planning	Engineering, Operations	Huron River Watershed Council	TDB	x	x	
Integrate/enhance concessions at various locations, potentially Boat Rental, Disc Golf course, and Maple Beach	Operations	Planning, Engineering		TBD		x	x





# **Key Projects**

# **Maple Beach**

# 2017-2021

Maple Beach facilities date to the 1950s, and were built to better accommodate the high demand for public swimming in that time. It was an extremely popular beach for decades. Recreation trends have changed so that keeping the beach open regularly was no longer justified by attendance. The deteriorating bathhouse has been demolished, and a redevelopment plan will be created to construct a shelter/event facility that will fill a recreational need while taking advantage of beautiful Kent Lake views. The canoe/kayak rental currently located at the Boat Rental may also be shifted to this facility.

#### Needs:

More relevant and up-to-date facilities

#### Solutions:

- Demolish outdated bathhouse
- Construct shelter/event facility



**Underutilized shoreline** 

## **Farm Center**

## 2017-2021

The Farm Center has facilities dating from 1993 to 2005, and has long been providing visitors with valuable experiences of farm animals and agricultural practices. The connectivity and circulation of the site will be evaluated, and the outdated playground structure will be replaced with a new, more accessible facility. The hope is to refine the focus of the area and enhance the user experience.

#### **Needs:**

- Improved connectivity
- **Refined focus**

#### Solutions:

- Replace play structure
- Assess paths and roads
- Relocate canoe/kayak launch





### **Nature Center**

## 2017-2021

The first nature center to open in the Metroparks system, this structure was built in 1956 with an addition in 1991. It has facilitated decades of discovery and education about the natural world. In order to continue that legacy into the future, the center will undergo interior and exterior repairs. Parking and connectivity to the building and trails will also be evaluated and improved.

#### Needs:

- Improved connectivity
- Building maintenance

#### **Solutions:**

- Redevelop parking and connector paths
- Carry out interior and exterior repairs



Need for added attractions for older children

# **Martindale Beach**

# 2022-2026

This has long been a popular Kensington attraction, with the addition of major facilities in 2008 enhancing the visitor experience. Now, in order to maintain Martindale as a regional draw for water recreation, the splash pad will be renovated to include more exciting features for a greater variety of play features.

#### Needs:

• Draw wider range of visitors

#### **Solutions:**

Add to Splash Pad features



# Park Office & HCMA Administrative Office

### 2022-2026

The Administrative Office for HCMA was built in 1986, and is insufficient for the current needs of administrative staff. It lacks necessary storage space, meeting rooms for the increasingly important interdepartmental collaboration, and a board room that can accommodate high levels of public participation. With the construction of this new office , the old administrative building will be repurposed to house the park office operations. The current park office, built in 1967, is deteriorating and lacks adequate space for staff.

#### Needs:

- More space for meetings and storage
- Updated structures

#### **Solutions:**

- Build new Administrative Office at different location
- Shift Park Office into current Administrative Office building



# **Mitten Bay**

This boat docking facility was built in 1965 and provides access to sailing opportunities on beautiful Kent Lake. Due to the age and wear on this facility, structural monitoring will be ongoing in the next five years to ensure that the facility is sound. Based on the results of that monitoring, a redevelopment plan will be created for the area.

#### **Needs:**

Ensure structural soundness

#### Solutions:

Monitoring and redevelopment



a for structural monitoring



# **Other Projects**

#### Walkway and interior accessibility improvements

Due to growing awareness that park facilities do not meet the needs of individuals with disabilities, increasing accessibility will be an ongoing focus. Buildings will be rebuilt and retrofitted to improve ease of access, and paved paths will be constructed to better connect parking with recreational activities.

#### • Fit Trail sign and equipment replacement

The current Fit Trail equipment and signage is out of date and worn. Clear, engaging signage will be added to complement new, modern fitness equipment.

#### High Ropes Course

The 2017 season will see the opening of the High Ropes Course at Stony Creek, operated by Go Ape. Based on the experience with this course, a plan will be created for implementing a similar course at Kensington.

#### • Update of trail maps

Current maps do not accurately reflect trail availability within the park. Trails will be properly classified and mapped in conjunction with the signage updates.

#### • Disc Golf vault latrine

Disc Golf is a popular activity at Kensington, and the course has grown beyond the capacity of the current portable toilets. Permanent vault latrines will be constructed to better serve visitors.

#### • Orchard and Playfield redevelopment

Orchard picnic area will be redeveloped with an emphasis on dual summer-winter facilities. Playfield picnic areas will be redeveloped to better concentrate activities and add a large play structure.





## **BOARD MEMBERS**

**John C. Hertel** Chairman Governor Appointee **Timothy J. McCarthy** Vice-Chairman Governor Appointee Jaye Quadrozzi Secretary Oakland County **Robert W. Marans** Treasurer Washtenaw County

Steven E. Williams Livingston County Anthony Marrocco Macomb County Bernard Parker Wayne County

## **EXECUTIVE OFFICER**

George Phifer Director



To:Board of CommissionersFrom:George Phifer, DirectorSubject:Approval – Preliminary Conceptual Golf Course Repurposing DesignsLocation:Lower Huron and Wolcott Mill Metroparks, Wayne and Macomb countiesDate:January 4, 2017

#### Action Requested: Motion to Approve

That the Board of Commissioners' approve (1) the concept plans for the repurposing of the Lower Huron Par-3 Golf Course and the Wolcott Mill Golf Course; and (2) approve a transfer from the Fund Balance to implement Phase 1 of each plan as recommended by Director Phifer and staff.

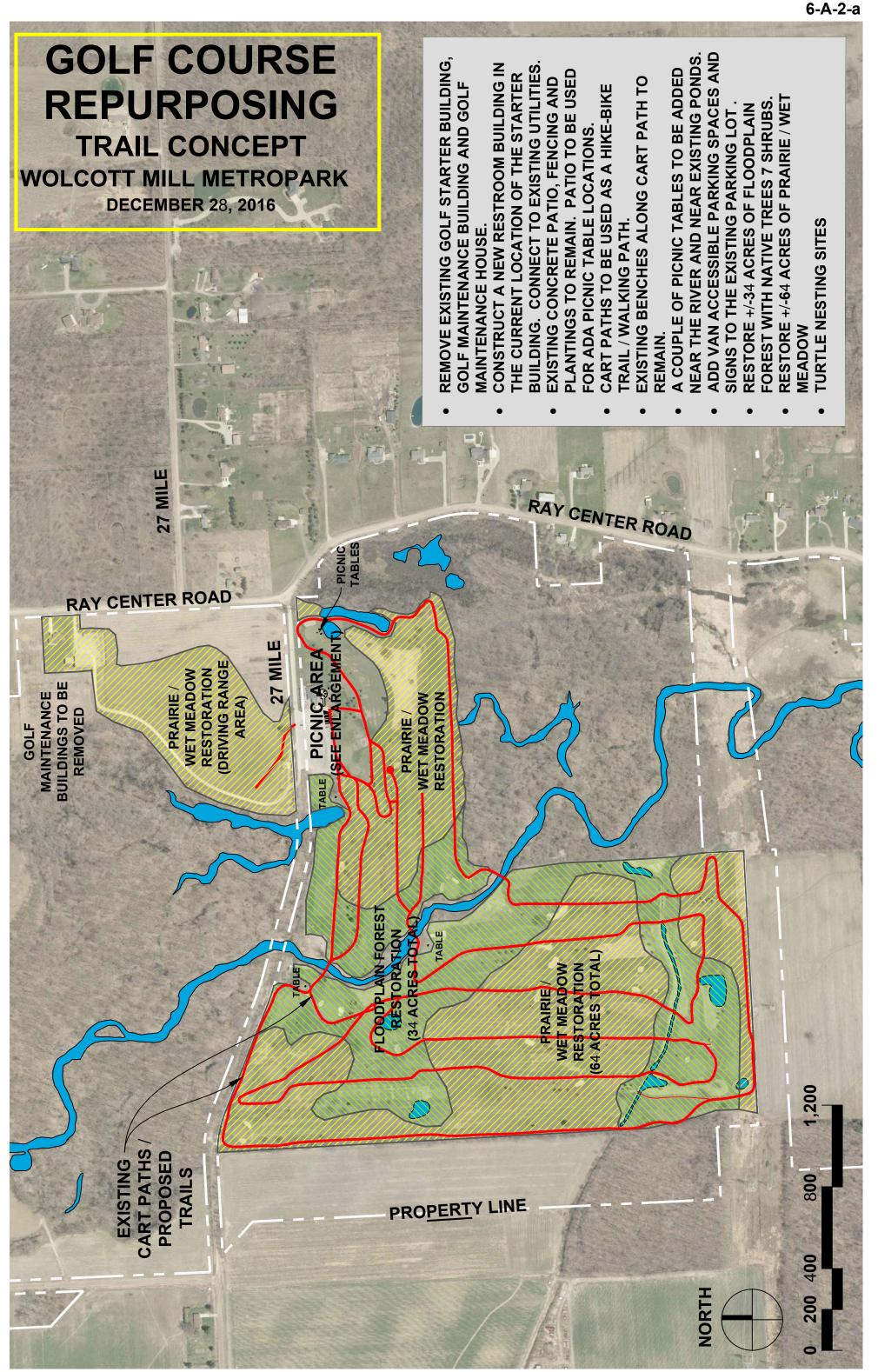
**Fiscal Impact:** The estimated cost associated with implementing Phase 1 of the Wolcott Mill Golf Course Repurposing Plan is \$48,800; the estimated cost associated with implementing <u>Phase 1</u> of the Lower Huron Par-3 Golf Course Repurposing Plan is \$53,800. The sale of the golf cart fleet at the Wolcott golf course may help augment the cost for implementing the concept design.

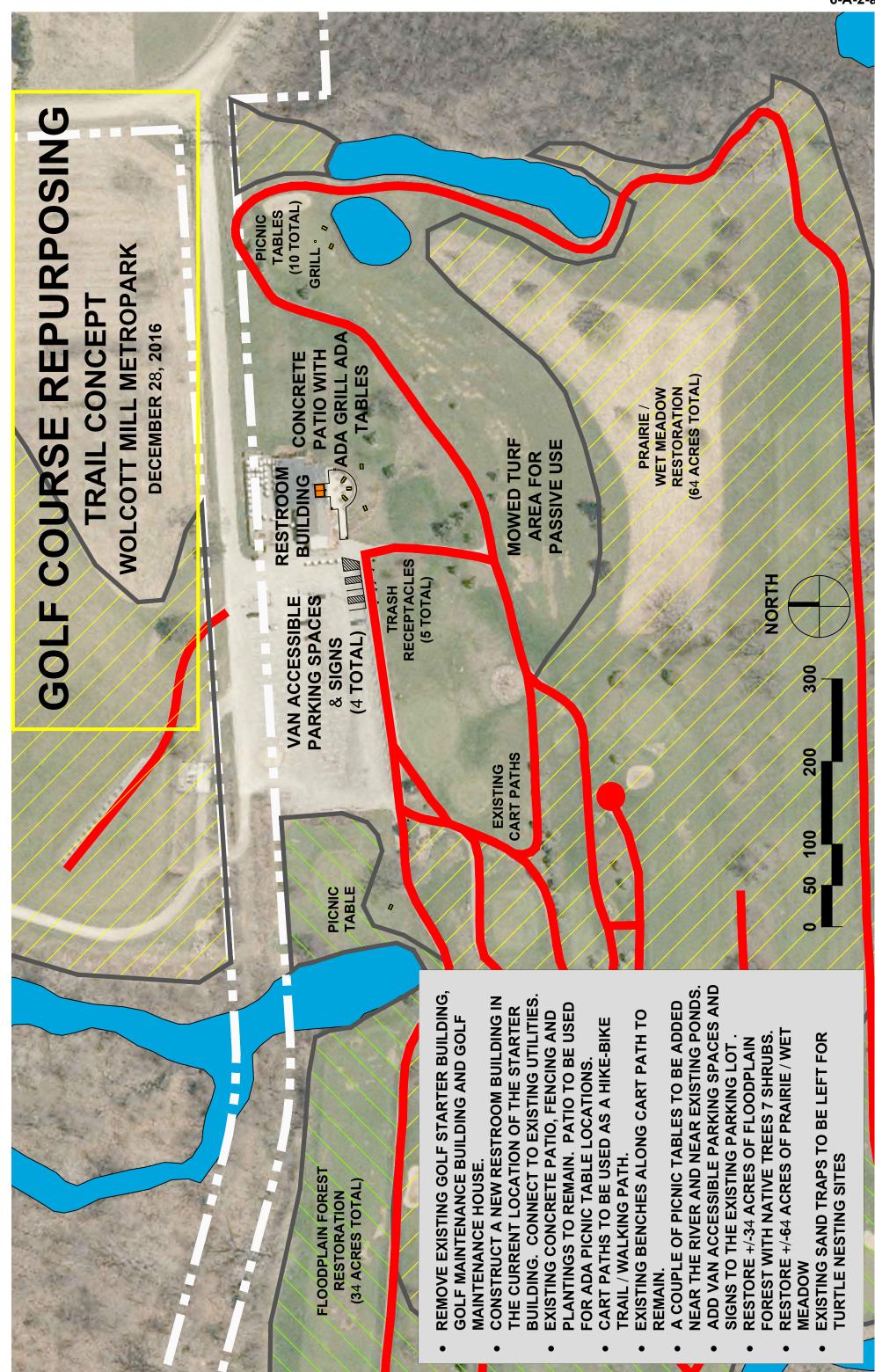
**Background:** At the Dec. 8, 2016 meeting, the Board approved the repurposing of the Wolcott Mill Golf Course and the Lower Huron Par-3 Golf Course following discussions held between staff and commissioners during the 2017 budgeting process. The closing and repurposing of each course was identified as a major project in the master plans completed for Wolcott Mill (approved Oct. 13, 2016) and Lower Huron (approved Dec. 8, 2016).

Staff recommends a phased approach for implementing the concept plans for both courses. <u>Phase 1</u> would be implemented immediately and would include any necessary demolition of existing structures, removal and disposal of extraneous site elements, accessibility improvements and basic park furniture. Staff would identify possible locations for a 10-station fit trail to be installed along the existing paved cart paths at Wolcott Mill.

Metroparks staff would seek grant opportunities and reach out to potential partners to implement some of the recommendations in <u>Phase 2</u> over the next several years. <u>Phase 2</u> would include construction of any new structures and habitat restoration projects. The restored landscapes would have enhanced interpretation value, opening opportunities for visitor education through interpretive signage.

#### Attachments: Wolcott Mill Golf Course Conceptual Design / Cost Estimates Lower Huron Par-3 Golf Course Conceptual Design / Cost Estimates





# Phase 1

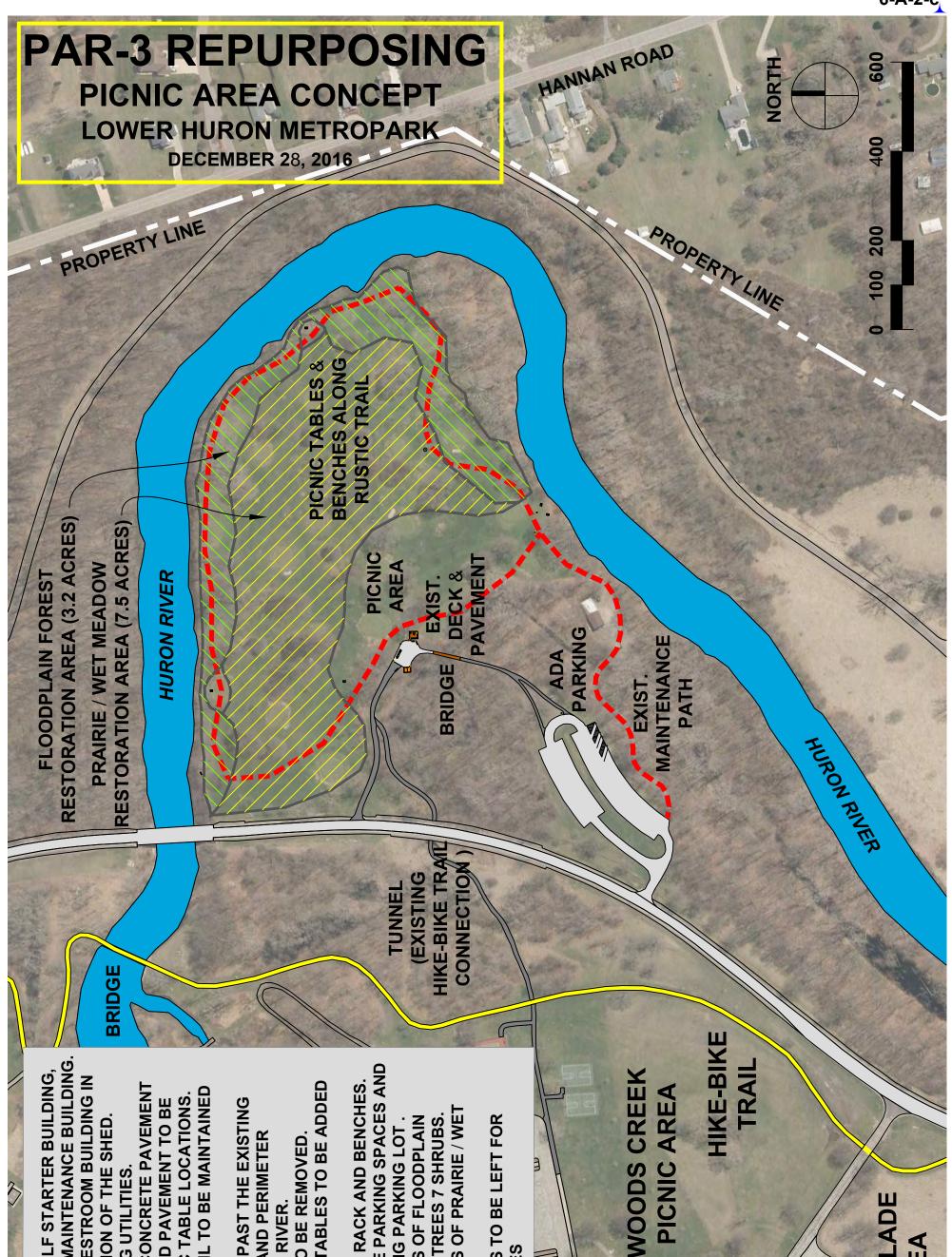
ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
10-STATION FIT TRAIL + SIGNAGE	1	EACH	¢ 6,000	6,000 \$ 6,000
STANDARD HCMA 6' PICNIC TABLE	8	EACH	\$ 450	450 \$ 3,600
8' EXTENDED TOP ADA PICNIC TABLE (20% MUST BE ADA)	2	EACH	\$ 550	\$ 1,100
ADA GRILL	2	EACH	\$ 300	\$ 600
STANDARD HCMA TRASH RECEPTACLES	5	EACH	\$ 100	\$ 500
EXISTING BENCHES TO REMAIN	8	EACH	- \$	- Ş
DEMOLITION OF EXISTING STARTER BUILDING AND MAINTENANCE BUILDING	1	LUMP SUM	Ş	40,000 \$ 40,000
REMOVAL & DISPOSAL OF MISC. SIGNS, ETC.	1	<b>LUMP SUM</b>	\$ 5,000	\$ 1,000
STRIPING AND SIGNING OF HANDICAP VAN ACCESSIBLE PARKING SPACES	1	LUMP SUM \$		2,000 \$ 2,000
		F	Phase 1 total \$ 54,800	\$ 54,800

# Phase 2

ITEM	QUANTITY
FLOODPLAIN FOREST RESTORATION	34
PRAIRIE / WET MEADOW RESTORATION	64
BAT HOUSES	1
SNAKE HIBERNACULA	1
CHIMNEY SWIFT TOWER	1
INTERPRETIVE SIGNAGE (PULPIT)	9
MAJOR TRAILHEAD	1

# POTENTIAL GRANT FUNDING SOURCES:

- \* GREAT LAKES FISH & WILDLIFE RESTORATION ACT, December, 25% MATCHING, +/-\$200,000 AVAILABLE
- \* LOCAL PARTNERS: CLINTON RIVER WATERSHED COUNCIL, 4 COUNTY COMMUNITY FOUNDATION
  - \* UNITED STATES FISH & WILDLIFE SERVICE (USFWS) PARTNERS PROGRAM
    - \* USFWS COASTAL PROGRAM
- \* MONARCH BUTTERFLY CONSERVATION FUND (NFWF), MAY, 50% MATCH, +/-\$150,000 AVAILABLE
- \* COMMUNITY FOUNDATION OF SE MI WILSON LEGACY FUND, FEBRUARY, NO MATCH, \$50,000 AVAILABLE
- \* WILDFLOWER ASSOCIATION OF MICHIGAN
- \* MI NATURAL RESOURCE TRUST FUND, MAY/APRIL, 25% MATCH, \$300,000 AVAILABLE
- \* MI NATURAL RESOURCE LAND AND WATER CONSERVATION FUND, MAY/APRIL, 50% MATCH, \$150 AVAILABLE
  - \* MI NATURAL RESOURCE RECREATION PASSPORT, MAY/APRILS, 25% MATCH, \$45,000 AVAILABLE



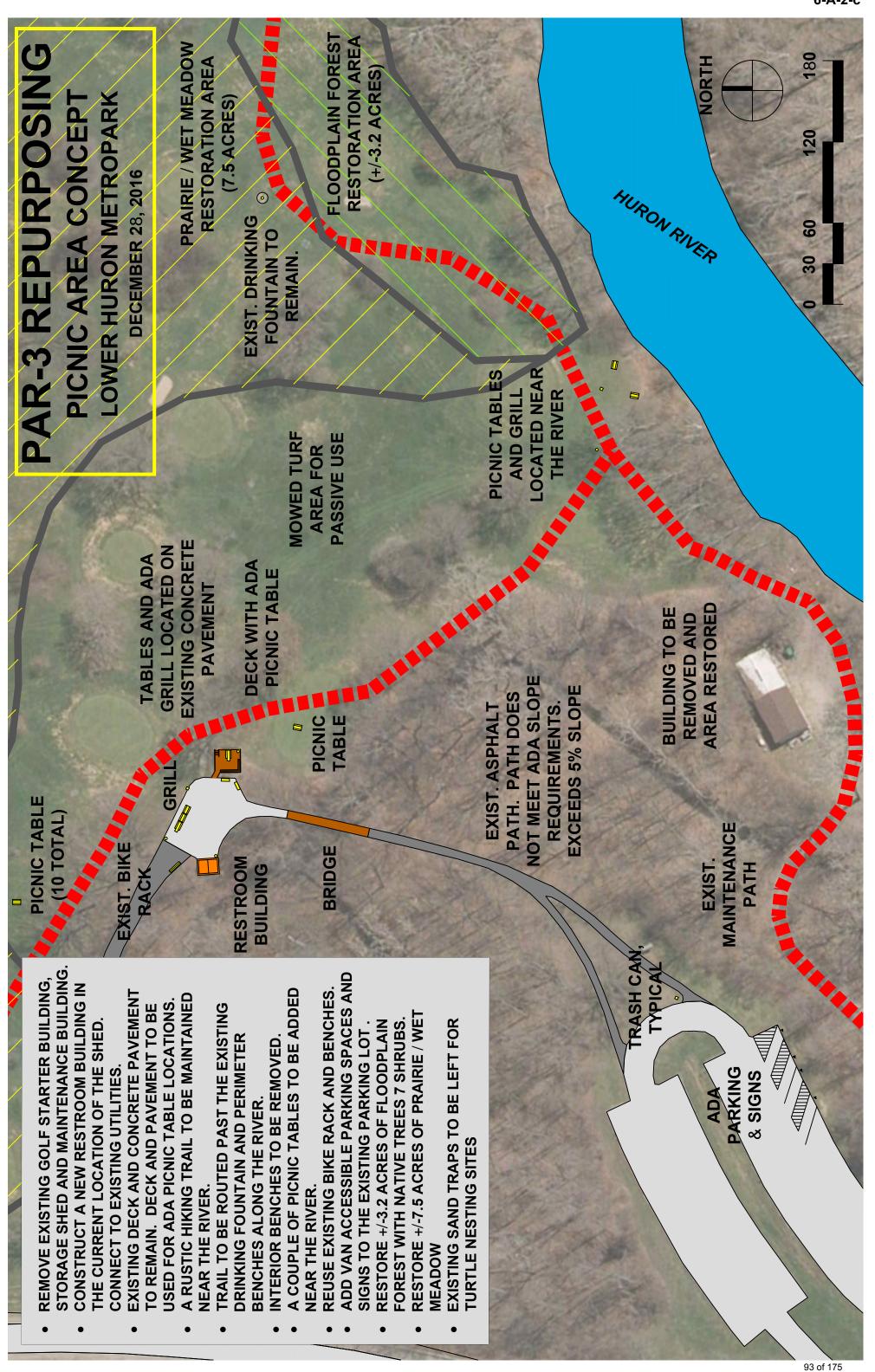
STORAGE SHED AND MAINTENANCE BUILDING **REMOVE EXISTING GOLF STARTER BUILDING**, CONSTRUCT A NEW RESTROOM BUILDING IN

3

- THE CURRENT LOCATION OF THE SHED CONNECT TO EXISTING UTILITIES.
- EXISTING DECK AND CONCRETE PAVEMENT TO REMAIN. DECK AND PAVEMENT TO BE USED FOR ADA PICNIC TABLE LOCATIONS. A RUSTIC HIKING TRAIL TO BE MAINTAINED
  - TRAIL TO BE ROUTED PAST THE EXISTI **NEAR THE RIVER.** 
    - **DRINKING FOUNTAIN AND PERIMETER** INTERIOR BENCHES TO BE REMOVED. **BENCHES ALONG THE RIVER.**
- A COUPLE OF PICNIC TABLES TO BE AD NEAR THE RIVER.
- **REUSE EXISTING BIKE RACK AND BENCHES.**
- **ADD VAN ACCESSIBLE PARKING SPACES AND** SIGNS TO THE EXISTING PARKING LOT.
  - **RESTORE +/-7.5 ACRES OF PRAIRIE / WET RESTORE +/-3.2 ACRES OF FLOODPLAIN** FOREST WITH NATIVE TREES 7 SHRUBS.
    - **EXISTING SAND TRAPS TO BE LEFT FOR** MEADOW
- **TURTLE NESTING SITES**

HAWTHORN GLADE

**PICNIC AREA** 



# Phase 1

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
STANDARD HCMA 6' PICNIC TABLE	8	EACH	\$ 450	450 \$ 3,600
8' EXTENDED TOP ADA PICNIC TABLE (20% MUST BE ADA)	2	EACH	\$ 550	\$ 1,100
ADA GRILL	2	EACH	\$ 300	\$ 600
STANDARD HCMA TRASH RECEPTACLES	5	EACH	\$ 100	\$ 500
EXISTING BENCHES TO REMAIN	8	EACH	۔ ج	۔ ج
EXISTING DRINKING FOUNTAIN TO REMAIN	1	EACH	۔ ج	ڊ ج
EXISTING BIKE RACK TO REMAIN	1	EACH	- \$	¢ -
DEMOLITION OF EXISTING STARTER BUILDING AND MAINTENANCE BUILDING	1	\$ WNS JWNT		40,000 \$ 40,000
REMOVAL & DISPOSAL OF MISC. SIGNS, CONCRETE TEE PADS, ETC.	1	<b>NUN SUM</b>	Ş	5,000 \$ 5,000
STRIPING AND SIGNING OF HANDICAP VAN ACCESSIBLE PARKING SPACES	1	<b>LUMP SUM</b>	\$ 2,000	\$ 2,000
MISC. RESTORATION OF TURF AREAS, FILLING IN OF FOOT GOLF HOLES, ETC.	1	<b>NUN SUM</b>	Ş	1,000 \$ 1,000
		Ъ	Phase 1 total \$ 53,800	\$ 53,800

# Phase 2

ITEM	QUANTITY
NEW RESTROOM BUILDING	1
FLOODPLAIN FOREST RESTORATION	3.2
PRAIRIE / WET MEADOW RESTORATION	7.5
BAT HOUSES	1
SNAKE HIBERNACULA	1
CHIMNEY SWIFT TOWER	1
INTERPRETIVE SIGNAGE (PULPIT)	3
MINOR TRAILHEAD	1

# POTENTIAL GRANT FUNDING SOURCES:

- \* GREAT LAKES FISH & WILDLIFE RESTORATION ACT, DECEMBER, 25% MATCH, \$200,000 AVAILABLE
  - \* LOCAL PARTNERS: DETROIT AUDUBON & HURON RIVER WATERSHED COUNCIL
- \* UNITED STATES FISH & WILDLIFE SERVICE (USFWS) PARTNERS PROGRAM
- \* **USFWS COASTAL PROGRAM**
- \* MONARCH BUTTERFLY CONSERVATION FUND (NFWF), MAY, 50% MATCH, +/-\$150,000 AVAILABLE
- \* COMMUNITY FOUNDATION OF SE MI WILSON LEGACY FUND, FEBRUARY, NO MATCH, \$50,000 AVAILABLE \* WILDFLOWER ASSOCIATION OF MICHIGAN
  - \* MI NATURAL RESOURCE TRUST FUND, MAY/APRIL, 25% MATCH, \$300,000 AVAILABLE 95 of 175
- \* MI NATURAL RESOURCE LAND AND WATER CONSERVATION FUND, MAY/APRIL, 50% MATCH, \$150 AVAILABLE
  - \* MI NATURAL RESOURCE RECREATION PASSPORT, MAY/APRILS, 25% MATCH, \$45,000 AVAILABLE



To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:513-16-131Project Title:Approval – Preliminary Conceptual Trail Design from Historic Center and FarmProject Type:Capital ImprovementLocation:Wolcott Mill Metropark, Macomb CountyDate:January 4, 2017

#### Action Requested: Motion to Approve

That the Board of Commissioners' approve staff to move forward with the design of a new trail that will link the Wolcott Farm and Historic Center as recommended by Mike Brahm-Henkel and staff.

Fiscal Impact: Funding is available in the Engineering professional services budget.

**Scope of Work:** The project would include the design of a new trail alignment, which would include a hydrologic study for a bridge crossing, wetland delineation, state and local permits, wildlife natural inventory, preliminary alignment and design services.

**Background:** A trail link has been sought for many years to connect the Wolcott Farm, Historic Center and the trails that currently exist within the park. The Clinton River and property ownership have divided the park into segments.

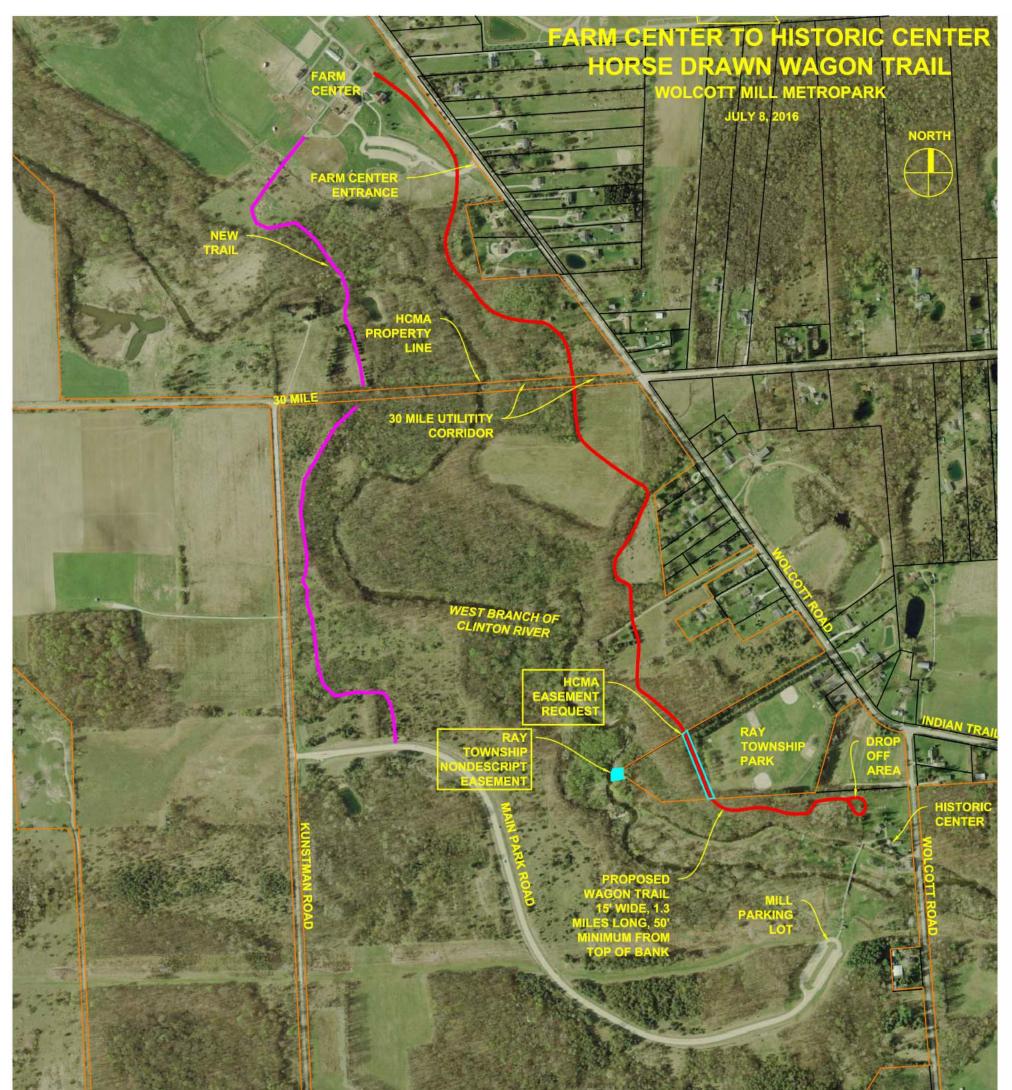
Upon further research by staff, a new route is being proposed to link all the elements. Challenges to a proposed route is crossing the river and wetlands, as well as designing around the elevation change that occurs in the topography at this section. Once a crossing can be achieved, the remaining southerly section of the trail meanders through picturesque uplands and through the existing forests, which exists on the property and then ties into a section of an existing trail. Construction along this section would be straightforward.

While walking this area staff came across local residents enjoying the same section of trail. The added benefit of this location would be the possible increase of usage of the existing entrance off Kuntsman Road. The parking at this location would allow patrons, if they so choose, to walk to the trails or ride a wagon to the farm. In addition the trail would reside mainly within the park boundaries with the exception of an at road crossing across the abandon section of 30 Mile Road.

Preliminary estimates for the bridge crossing range from \$250,000 to \$300,000. This is just an estimate and is dependent on the hydrological study, design criteria and associated wetlands, which will dictate the span length of the crossing.

#### Attachment: Preliminary Conceptual Trail Design

## WOLCOTT MILL METROPARK







To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringSubject:Approval – Professional Services Proposal, Underground Storage Tank<br/>Investigation and Initial Assessment ReportingLocation:Lower Huron Metropark, Wayne County<br/>January 4, 2017

#### Action Requested: Motion to Approve

That the Board of Commissioners' approve the proposal from FTC&H in the amount of \$28,100 as recommended by Manager of Engineering Mike Brahm-Henkel and staff.

**Fiscal Impact:** The proposal cost is \$28,100. Funding is available in the Engineering Professional Services account to fund the project. If a closure report is all that is needed based upon the testing, then the applicable fee for the Initial Assessment Report (IAR) of \$9,850 will not be assessed.

**Scope of Work:** The proposal includes site investigation to evaluate the nature and extent of the impact from the release detected during the removal of the existing underground fuel storage tank at the maintenance facility. The proposal also includes the preparation and submittal of an IAR to the Michigan Department of Environmental Quality (MDEQ). The proposed site initial investigation will include testing, while proceeding with more site excavation to try to remove any contamination. If no contamination is detected by laboratory tests, then an unrestricted Underground Storage Tank (UST) closure report can be filed instead of an IAR report.

**Background:** At the Sept. 8, 2016 Board meeting, the contract was approved for the removal of the Lower Huron maintenance buildings underground fuel storage tank. During the removal and excavation of the tanks and dispenser island, soil and water samples were taken to test the soil and groundwater in the area of the tanks. Those samples were then sent to a lab for analysis.

In addition to the laboratory samples, an on site sniffer test is conducted along with onsite visual and olfactory observations are conducted to look for any signs of contamination. FTC&H conducted these tests while the removal was in progress and there appeared to be no signs of contamination. The laboratory sample results were just slightly over the allowable limits. The area in question is at the dispenser location.

A report was then filed with the MDEQ. Discussions with the MDEQ project manager for the Bellville area were held to facilitate a plan to move forward. The proposal from FTC&H reflects this plan.

#### Attachment: FTC&H Proposal for Services



December 5, 2016

Mr. Jason Kulongowski, P.E. Design Engineer Huron-Clinton Metroparks 13000 High Ridge Drive Brighton, MI 48114-9058

Re: Proposal for Leaking Underground Storage Tank Investigation and Initial Assessment Report Preparation – Lower Huron Metropark, Belleville, Michigan

Dear Mr. Kulongowski:

Fishbeck, Thompson, Carr & Huber, Inc. (FTCH) is pleased to provide Huron-Clinton Metroparks (HCM) the following proposal to conduct activities related to the release from the underground storage tank (UST) system located at the Lower Huron Metropark, Bellville, Michigan (the Site). There was no visual or field screening evidence of a release detected during the UST closure activities; however, the site assessment groundwater sample collected from the UST excavation and soil samples collected from beneath the fuel dispensers contained detectable levels of tested compounds, indicating that a release of gasoline and/or diesel fuel had occurred from the UST system. A confirmed release was reported to the Michigan Department of Environmental Quality (MDEQ) on November 14, 2016. The Site will be regulated under Part 213 of Michigan Public Act 451, 1994, as amended (Part 213). Pursuant to Part 213, the following tasks are required to be completed within 180 days of the release discovery (May 13, 2017):

- A site investigation to evaluate the nature and extent of the environmental impact from the release.
- The preparation and submittal of an Initial Assessment Report (IAR).

FTCH spoke with Ms. Beth Vens, MDEQ Part 213 Project Manager for Belleville, Michigan. FTCH provided Ms. Vens with the results of the site assessment samples and discussed a potential path to achieve an unrestricted residential closure for the Site.

It was discussed that the best approach to attempt to resolve the impacts would be to excavate and properly dispose of the soil in the UST dispenser area. Confirmation sampling would be conducted to document the remediation activities. Based on the low concentrations detected in the excavation water sample, Ms. Vens recommended installing a temporary well in the UST excavation and resample (the low detectable contaminants detected during the site assessment sampling could have been the result of a small gasoline/diesel leak from the removed equipment during UST removal activities. If the results of this water sample are below Part 213 Risked Based Screening Levels, this data would be used to show that the excavation water is not impacted. Additionally, Ms. Vens recommended the placement and sampling of a temporary well between the UST excavation and the creek. This sample would be used to verify that groundwater contamination has not migrated from the UST area.

Ms. Vens said that if these activities were completed and the results show that the contamination has been removed, HCM would be able to submit a UST Closure Report (in place of an IAR) to the MDEQ for their review.

This proposal includes the scope of services to conduct the site investigation and prepare and submit an IAR (or a Closure Report, if applicable) for the Site.

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#### **Scope of Services**

#### Task 1 – Site Meeting with MDEQ

HCM has requested FTCH to set up a meeting to be held at the Site to discuss the project. FTCH will contact the MDEQ and schedule a site visit. If additional work is requested by the MDEQ during the site meeting, FTCH will provide HCM with a separate proposal for the requested work.

#### Task 2 – Initial Investigation

#### Soil Investigation

HCM has contracted with Oscar W. Larson Company (Larson) to provide soil excavation and disposal services. Larson will excavate the soils in the area of the former dispenser island. The excavation limits would be determined based on field observations; however, for proposal purposes, it is assumed that the excavation dimensions will be 10-feet wide by 25-feet long by 5-feet deep. The soils will be field screened for the presence of total organic compounds using a photoionization detector (PID). The excavated soil will be transported off site to a licensed landfill for disposal. Costs for excavation and disposal-related charges (e.g., transportation, waste characterization analysis, landfill disposal fees) are not provided in this proposal.

Confirmation soil sampling will be completed in the excavation area to demonstrate the remediation effectiveness. The soil samples will be collected from the floor and walls of the excavation, in accordance with the MDEQ's guidance document, *Sampling Strategies and Statistics Training Materials for Part 201 Cleanup Criteria*, dated August 2002 (SSSTM). Following the SSSTM guidance document for the size of the proposed excavation, a total of six soil samples will be collected. Four samples will be collected from the excavation sidewalls and two from the excavation floor. The samples will be analyzed for benzene, toluene, ethylbenzene, xylenes (BTEX), 1,2,4-trimethylbenzene (TMB), 1,3,5-TMB, methyl-tert-butyl ether (MTBE), polynuclear aromatic hydrocarbons (PNAs), and total solids (percent moisture).

Soil samples will be collected directly into laboratory-prepared bottles and stored on ice in an insulated cooler. The samples will be transported under chain-of-custody documentation to Pace Analytical for analysis. Soil samples collected for BTEX, TMB, and MTBE analyses will be field preserved with methanol. A field blank of the methanol preservative will be collected during the sampling event for analysis of BTEX, TMB, and MTBE. Duplicate and matrix-spike/matrix-spike-duplicate samples will be collected for analysis. One trip blank will be submitted for analysis of BTEX, TMB, and MTBE to verify that cross contamination between the samples did not occur while stored in the cooler during transportation to the laboratory. These additional samples are required by MDEQ Operational Memorandum No. 2 to ensure that representative data are used to evaluate the precision and accuracy of the analytical data. The analytical laboratory will report its findings within ten business days.

#### **Groundwater Investigation**

FTCH will install two test borings in the UST release area to evaluate the geologic characteristics in the former UST area and the potential groundwater impact from the release. One test boring will be installed in the former UST excavation area, and one test boring will be installed between the former UST excavation area and the creek located to the north. The test boring installed in the former UST excavation will be installed using a Geoprobe equipped with macro-cores and single-use acetate liners. The test boring located between the former USTs and the creek will be installed using a hand auger. A continuous core of soils will be collected at each test Mr. Jason Kulongowski Page 3 December 5, 2016



boring location to the total maximum depth of 10 feet below ground surface (bgs). The depth to the water table is estimated to be between 2 and 5 feet bgs. The recovered soils at each boring location will be described by a FTCH geologist and field screened for the presence of total organic vapors using a PID.

A 1-inch-diameter polyvinyl chloride (PVC) temporary well will be installed at each location, and a groundwater sample will be collected from the water table interface using a peristaltic pump and new tubing. The groundwater samples will be collected using low-flow methods. Each groundwater sample will be collected after the field parameters are stabilized, in accordance with low-flow protocol, or following thirty minutes of purging, whichever occurs first.

The groundwater samples will be analyzed for BTEX, TMBs, MTBE, and PNAs. As previously discussed with HCM (for the HCMA-Metrobeach site in 2010), the MDEQ has been inconsistent with its enforcement of metals at Part 213 sites (i.e., at some sites they have required assessment, at others they have not required metals analysis). In consideration of this situation, it is our recommendation to not sample for metals until the MDEQ raises the issue. We state this because metals like iron and manganese are naturally-occurring in groundwater; often times at concentrations greater than state cleanup criteria. Therefore, we recommend that metals analysis not be conducted during the initial sampling event, but advise HCM that the MDEQ may require that metals be evaluated before a final closure is approved for the site.

Duplicate and matrix-spike/matrix-spike-duplicate samples will be collected for analysis. One trip blank will be submitted for analysis of BTEX, TMB, and MTBE to verify that cross contamination between the samples did not occur while stored in the cooler during transportation to the laboratory. These additional samples are required by MDEQ Operational Memorandum No. 2 to ensure that representative data are used to evaluate the precision and accuracy of the analytical data. The analytical laboratory will report its findings within ten business days.

#### Task 3 – IAR Preparation

Part 213 requires that the IAR be submitted to the MDEQ within 180 days of the discovery of a release. FTCH will prepare and submit a draft IAR (or if applicable, a Closure Report) to HCM for review and comment. FTCH will incorporate any HCM comments, prepare a final IAR, and submit the report to the MDEQ.

#### **Professional Services Fees**

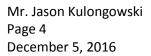
FTCH estimates the following costs for each identified work task:

#### Task 1 – Site Meeting with MDEQ

FTCH Professional Services	\$ 1,900
Equipment and Expenses	<u>\$ 250</u>
Total Task 1	\$2,150

Assumptions:

• One two-hour meeting will occur at the HCM/Lower Huron Metropark site.





#### Task 2 – Initial Investigation

FTCH Professional Services	\$ 9,250
Geoprobe Subcontractor	\$ 1,900
Laboratory Analysis	\$ 2,150
Equipment and Expenses	<u>\$ 2,800</u>
Total Task 2	\$16,100

#### Assumptions:

- One eight-hour day for Geoprobe
- Two ten-hour days for drilling and well installation
- Two eight-hour days for soil excavation activities
- Standard (ten business days) time for receipt of laboratory analytical data
- Excavation, transportation, waste analytical, and waste disposal costs are not included in this proposal

<u> Task 3 – IAR Report</u>		
FTCH Professional Services	\$ 9,700	
Reproduction and Postage	<u>\$ 150</u>	
Total Task 3	<u>\$ 9,8</u>	<u>50</u>

#### Assumptions:

• Meetings with the MDEQ will not be required

#### **Total Cost Estimate**

#### Authorization

Attached is our Professional Services Agreement. If you concur with our scope of services, please sign in the space provided and return the executed contract to the attention of Leanne K. Jeannot (<u>lkjeannot@ftch.com</u>). This proposal is made subject to the attached Terms and Conditions for Professional Services. Invoices will be submitted every four weeks and payment is due upon receipt.

\$28,100

If you have any questions or require additional information, please contact me at 269.544.6948 or email <u>tccampbell@ftch.com</u>.

Sincerely,

FISHBECK, THOMPSON, CARR & HUBER, INC.

Lodel C. Campbell

Todd C. Campbell, CPG

lkj Attachments By email



# **PROFESSIONAL SERVICES AGREEMENT**

PROJECT NAME	Leaking Underground Storage Tank Investigation and Initial Assessment Report Preparation
FTCH CONTACT	Todd C. Campbell, CPG
CLIENT	Huron-Clinton Metroparks
<b>CLIENT CONTACT</b>	Mr. Jason Kulongowski, P.E., Design Engineer
ADDRESS	13000 High Ridge Drive, Brighton, MI 48114-9058

#### hereby requests and authorizes Fishbeck, Thompson, Carr & Huber, Inc. (FTCH) to perform the following:

#### **SCOPE OF SERVICES:**

Conduct a leaking underground storage tank investigation and Initial Assessment Report preparation for the Lower Huron Metropark, Belleville, Michigan, as outlined in the attached FTCH proposal letter.

#### AGREEMENT. The Agreement consists of this page and the documents that are checked:

- ☑ Terms and Conditions for Professional Services, attached.
- Proposal dated December 5, 2016.
- $\Box$  Other:

**METHOD OF COMPENSATION:** 

- □ Lump Sum for Defined Scope of Services
- ☑ Hourly Billing Rates plus Reimbursable Expenses
- $\Box$  Other:

#### Budget for above Scope of Services:

Estimated budget of Twenty-Eight Thousand One Hundred Dollars (\$28,100).

ADDITIONAL PROVISIONS (IF ANY):

None.

ACCEPTED FOR:	
Fishbeck, Thompson, Carr & Huber, Inc.	
Fishbeck, Thompson, Carr & Huber, Inc. BY: <u>Michael 15 Colon</u>	
TITLE: Senior Vice President	
DATE: December 5, 2016	

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## **Terms and Conditions for Professional Services**

- 1. **METHOD OF AUTHORIZATION.** CLIENT may authorize FTCH to proceed with work either by signing a Professional Services Agreement or by issuance of an acknowledgment, confirmation, purchase order, or other communication. Regardless of the method used, these Terms and Conditions shall prevail as the basis of CLIENT's authorization to FTCH. Any CLIENT document or communication in addition to or in conflict with these Terms and Conditions is rejected.
- 2. CLIENT RESPONSIBILITIES. CLIENT shall provide all criteria and full information as to requirements for the Project and designate in writing a person with authority to act on CLIENT's behalf on all matters concerning the Project. If FTCH's services under this Agreement do not include full-time construction observation or review of Contractor's performance, CLIENT shall assume responsibility for interpretation of contract documents and for construction observation, and shall waive all claims against FTCH that may be in any way connected thereto.
- 3. **HOURLY BILLING RATES.** Unless stipulated otherwise, CLIENT shall compensate FTCH at hourly billing rates in effect when services are provided by FTCH employees of various classifications.
- 4. **REIMBURSABLE EXPENSES.** Those costs incurred on or directly for CLIENT's Project. Reimbursement shall be at FTCH's current rate for mileage for service vehicles and automobiles, special equipment, and copying, printing, and binding. Reimbursement for commercial transportation, meals, lodging, special fees, licenses, permits, insurances, etc., and outside technical or professional services shall be on the basis of actual charges plus 10 percent.
- 5. **OPINIONS OF COST.** Any opinions of probable construction cost and/or total project cost provided by FTCH will be on a basis of experience and judgment, but since it has no control over market conditions or bidding procedures, FTCH cannot warrant that bids or ultimate construction or total project costs will not vary from such estimates.
- 6. **PROFESSIONAL STANDARDS; WARRANTY.** The standard of care for services performed or furnished by FTCH will be the care and skill ordinarily used by members of FTCH's profession practicing under similar circumstances at the same time and in the same locality. FTCH makes no warranties, express or implied, under this Agreement or otherwise, in connection with FTCH's services.
- 7. TERMINATION. Either CLIENT or FTCH may terminate this Agreement by giving ten days' written notice to the other party. In such event, CLIENT shall pay FTCH in full for all work previously authorized and performed prior to the effective date of termination, plus (at the discretion of FTCH) a termination charge to cover finalization work necessary to bring ongoing work to a logical conclusion. Such charge shall not exceed 30 percent of all charges previously incurred. Upon receipt of such payment, FTCH will return to CLIENT all documents and information which are the property of CLIENT.
- 8. **SUBCONTRACTORS.** FTCH may engage subcontractors on behalf of CLIENT to perform any portion of the services to be provided by FTCH hereunder.
- 9. PAYMENT TO FTCH. Invoices will be issued every four weeks, payable upon receipt, unless otherwise agreed. Interest of 1 percent per four-week period will be payable on all amounts not paid within 28 days from date of invoice, payment thereafter to be applied first to accrued interest and then to the principal unpaid amount. Any attorney's fees or other costs incurred in collecting any delinquent amount shall be paid by CLIENT.

CLIENT agrees to pay on a current basis, in addition to any proposal or contract fee understandings, all taxes including, but not limited to, sales taxes on services or related expenses which may be imposed on FTCH by any governmental entity.

If CLIENT directs FTCH to invoice another, FTCH will do so, but CLIENT agrees to be ultimately responsible for FTCH's compensation until CLIENT provides FTCH with that third party's written acceptance of all terms of this Agreement and until FTCH agrees to the substitution.

In addition to any other remedies FTCH may have, FTCH shall have the absolute right to cease performing any basic or additional services in the event payment has not been made on a current basis.

- 10. **HAZARDOUS WASTE.** FTCH has neither created nor contributed to the creation or existence of any hazardous, radioactive, toxic, irritant, pollutant, or otherwise dangerous substance or condition at any site, and its compensation hereunder is in no way commensurate with the potential risk of injury or loss that may be caused by exposure to such substances or conditions. FTCH shall not be responsible for any alleged contamination, whether such contamination occurred in the past, is occurring presently, or will occur in the future, and the performance of services hereunder does not imply risk-sharing on the part of FTCH.
- 11. LIMITATION OF LIABILITY. To the fullest extent permitted by law, FTCH's total liability to CLIENT for any cause or combination of causes, which arise out of claims based upon professional liability errors or omissions, whether based upon contract, warranty, negligence, strict liability, or otherwise is, in the aggregate, limited to the greater of \$50,000 or the amount of the fee earned under this Agreement.

## Terms and Conditions for Professional Services (continued)

To the fullest extent permitted by law, FTCH's total liability to CLIENT for any cause or combination of causes, which arise out of claims for which FTCH is covered by insurance other than professional liability errors and omissions, whether based upon contract, warranty, negligence, strict liability, or otherwise is, in the aggregate, limited to the total insurance proceeds paid on behalf of or to FTCH by FTCH's insurers in settlement or satisfaction of CLIENT's claims under the terms and conditions of FTCH's insurance policies applicable thereto.

Higher limits of liability may be considered upon CLIENT's written request, prior to commencement of services, and agreement to pay an additional fee.

- 12. **DELEGATED DESIGN.** CLIENT recognizes and holds FTCH harmless for the performance of certain components of the Project which are traditionally specified to be designed by the Contractor.
- 13. **INSURANCE.** CLIENT shall cause FTCH and FTCH's consultants, employees, and agents to be listed as additional insureds on all commercial general liability and property insurance policies carried by CLIENT which are applicable to the Project. CLIENT shall also provide workers' compensation insurance for CLIENT's employees. CLIENT agrees to have their insurers endorse these insurance policies to reflect that, in the event of payment of any loss or damages, subrogation rights under this Agreement are hereby waived by the insurer with respect to claims against FTCH.

Upon request, CLIENT and FTCH shall each deliver to the other certificates of insurance evidencing their coverages.

CLIENT shall require Contractor to purchase and maintain commercial general liability and other insurance as specified in the contract documents and to cause FTCH and FTCH's consultants, employees, and agents to be listed as additional insureds with respect to such liability and other insurance purchased and maintained by Contractor for the Project. Contractor must agree to have their insurers endorse these insurance policies to reflect that, in the event of payment of any loss or damages, subrogation rights under this Agreement are hereby waived by the insurer with respect to claims against FTCH.

- 14. **INDEMNIFICATION.** FTCH will defend, indemnify, and hold CLIENT harmless from any claim, liability, or defense cost for injury or loss sustained by any party from exposures to the extent caused by FTCH's negligence or willful misconduct. CLIENT agrees to defend, indemnify, and hold FTCH harmless from any claim, liability, or defense cost for injury or loss sustained by any party from exposures allegedly caused by FTCH's performance of services hereunder, except for injury or loss to the extent caused by the negligence or willful misconduct of FTCH. These indemnities are subject to specific limitations provided for in this Agreement.
- 15. **CONSEQUENTIAL DAMAGES.** CLIENT and FTCH waive consequential damages for claims, disputes, or other matters in question relating to this Agreement including, but not limited to, loss of business.
- 16. **LEGAL EXPENSES.** If either CLIENT or FTCH makes a claim against the other as to issues arising out of the performance of this Agreement, the prevailing party will be entitled to recover its reasonable expenses of litigation, including reasonable attorney's fees. If FTCH brings a lawsuit against CLIENT to collect invoiced fees and expenses, CLIENT agrees to pay FTCH's reasonable collection expenses including attorney fees.
- 17. **OWNERSHIP OF WORK PRODUCT.** FTCH shall remain the owner of all drawings, reports, and other material provided to CLIENT, whether in hard copy or electronic media form. CLIENT shall be authorized to use the copies provided by FTCH only in connection with the Project. Any other use or reuse by CLIENT or others for any purpose whatsoever shall be at CLIENT's risk and full legal responsibility, without liability to FTCH. CLIENT shall defend, indemnify, and hold harmless FTCH from all claims, damages, losses, and expenses, including attorney's fees arising out of or resulting therefrom.
- 18. **ELECTRONIC MEDIA.** Data, reports, drawings, specifications, and other material and deliverables may be transmitted to CLIENT in either hard copy, digital, or both formats. If transmitted electronically, and a discrepancy or conflict with the electronically transmitted version occurs, the hard copy in FTCH's files used to create the digital version shall govern. If a hard copy does not exist, the version of the material or document residing on FTCH's computer network shall govern. FTCH cannot guarantee the longevity of any material transmitted electronically nor can FTCH guarantee the ability of the CLIENT to open and use the digital versions of the documents in the future.
- 19. **GENERAL CONSIDERATIONS.** CLIENT and FTCH each are hereby bound and the partners, successors, executors, administrators, and legal representatives of CLIENT and FTCH are hereby bound to the other party to this Agreement and to the partners, successors, executors, administrators, and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.

Neither CLIENT nor FTCH shall assign this Agreement without the written consent of the other.

Neither CLIENT nor FTCH will have any liability for nonperformance caused in whole or in part by causes beyond FTCH's reasonable control. Such causes include, but are not limited to, Acts of God, civil unrest and war, labor unrest and strikes, acts of authorities, and events that could not be reasonably anticipated.

This Agreement shall be governed by the law of the principal place of business of FTCH.

This Agreement constitutes the entire agreement between CLIENT and FTCH and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

#### End of Terms and Conditions for Professional Services



**HURON-CLINTON METROPOLITAN AUTHORITY** 

To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:512-16-232Project Title:Wave Pool Spray PadProject Type:CapitalLocation:Lake Erie Metropark, Wayne CountyDate:January 4, 2017

Bids Received: December 22, 2016 at 2:00 p.m.

#### Action Requested: Motion to Approve

That the Board of Commissioners' (1) award Contract 512-16-232 to the low responsive, responsible bidder, Cross Renovation, Inc., in the amount of \$214,225; and (2) approve the transfer of \$129,225 from Fund Balance as recommended by Manager of Engineering Mike Brahm-Henkel and Staff.

**Fiscal Impact:** This is a budgeted project. Funding is provided in the 2017-budgeted line item for Construction of the Splash Pad at Wave Pool in the amount of \$ 100,000. Additional funding of \$129,225 will need to be transferred from the Fund Balance to cover the cost of the project.

**Scope of Work:** The project includes the concrete replacement in order to install water lines to service the installation of seven new water toy features on the pool deck at the wave pool.

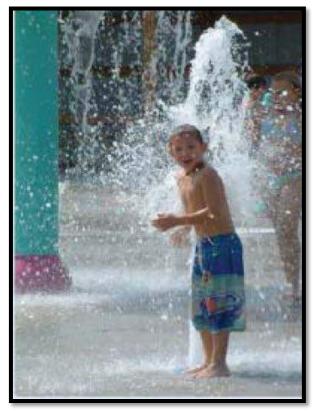
**Background:** In order to provide a new attraction and provide families with more options for younger children at the wave pool, staff has incorporated water toys onto the pool deck. The toys will provide younger children the option of enjoying the pool area facility in a zero depth water activity. The features will provide new options to the pool, which has not changed since its original construction in 1982. Park staff was consulted in the design, location, and the choice of the features. The system will use the existing filtration system of the wave pool and as such is limited to the amount of water that can be used for the spray pad features. Careful selection of the toys was necessary to meet the water availability as well as fit on the existing pool deck.

Contractor	<u>City</u>	<u>Amount</u>
Cross Renovation, Inc. Michigan Recreation Corporation, Inc.	Livonia Brighton	\$ 214,225.00 \$ 235,537.00
Budget Amount for Contract Services and Administration		\$ 100,000.00
Work Order Amount Contract Amount Cross Renovation, Inc. Contract Administration Total Proposed Work Order Amount		\$ 214,225.00 \$ <u>15,000.00</u> \$ 229,225.00

This project was reported and publicly advertised in the following construction reporting outlets: MITN, Construction Association of Michigan, Reed Construction Data, Construction News Corporation, Construction News Service, HCMA Website, Builders Exchange of Michigan, McGraw Hill Dodge, Builders Exchange of Lansing and Central Michigan.

The following contractors obtained bidding documents but did not submit a proposal: Baruzzini Construction, Brighton; CMA Design Services, Shelby Township; Macomb Pipeline & Utilities Company, Sterling Heights; Miracle Midwest, Holly; Ohio Pool, Strongsville, Ohio; Slidecare, Avon Lake; Vortex Midwest, Williamston.

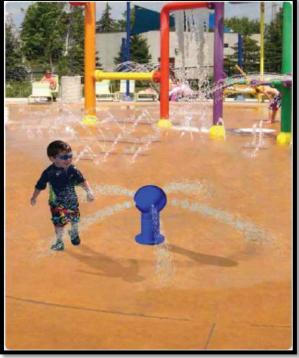
# Lake Erie Metropark – Wave Pool Toys



(2) Geysers



(1) Bucket Cluster



(1) Rotating Ball



(3) Cannons

113 of 175

## Lake Erie Wave Pool Deck Area





To:Board of CommissionersFrom:Mike Brahm-Henkel, Manager of EngineeringProject No:700-16-016Project Title:Approval - Generator ReplacementProject Type:Major MaintenanceLocation:Administrative Office, Livingston CountyDate:January 4, 2017

## Action Requested: Motion to Approve

That the Board of Commissioners' (1) approve staff to move forward with the procurement of a new stand by generator and automatic transfer switch for the Administrative office in the estimated amount of \$150,000; and (2) approve a transfer from the Fund Balance to cover the cost of the project as recommended by Mike Brahm-Henkel and staff.

**Fiscal Impact:** This is an unbudgeted project. Funds would need to be transferred from the Fund Balance to cover the cost of the project.

**Scope of Work:** The project would include the removal and replacement of the existing standby generator, associated transfer switch and upgrade the supply conductors. Staff would also look into upsizing the capacity of the system to handle all building functions.

**Background:** The existing system was installed in 2002 and is 14-years-old. The original installation cost as bid was \$43,000. The backup generator is necessary to provide an uninterruptable power supply for critical telephone and data systems. The current phone and data system for all the parks is routed through the Administrative Building and the loss of power to the building results in a communication outage for all the parks.

The existing generator is experiencing more mechanical problems and failures, which has resulted in an unreliable backup system. The system has experienced coolant loss issues since 2013, which has required various repairs. Some of the coolant fittings are not standard parts and have to be special ordered.

The unit is currently experiencing similar coolant loss system error warnings and is in the process of being repaired again. The system should automatically switch on during a power outage, which does not always occur, resulting in a power outage to the building. The existing system provides only limited power to the building and does not allow all systems to run during an outage. Upsizing the system would provide added value to the operation and function of the facility.

## Attachment: Current Administrative Office Generator Photo

## **Current Administrative Office Generator**





То:	Board of Commissioners
From:	Eric Ellis, Manager of Natural Resources and Regulatory Compliance
Subject:	Approval – Grant Application, Great Lakes Fisheries Trust Black Creek Shore Fishing Access
Location: Date:	Lake St. Clair Metropark, Macomb County January 4, 2017

## Action Requested: Motion to Approve

That the Board of Commissioners' approve the grant agreement with the Great Lakes Fisheries Trust for the Black Creek Shore Fishing Access project and complete the required resolution as recommended by Manager of Natural Resources and Regulatory Compliance Eric Ellis and staff.

**Fiscal Impact:** The total cost of this project is \$81,100. Grant funding will cover \$58,500 of the total expenses with additional matching funds of \$22,600 provided by the Metroparks in the form of staff time and indirect costs (see detailed budget).

**Background:** On Aug. 23, 2016, the Metroparks applied to the Great Lakes Fisheries Trust (GLFT) Access to the Great Lakes Fishery program with a project titled *Black Creek Shore Fishing Access, Lake St. Clair Metropark*. On Dec. 2, 2016, staff received word from the GLFT that our application was recommended for funding.

Shore-fishing on Black Creek at Lake St. Clair Metropark while popular with anglers provides limited amenities. From the closest parking area at the boat launch, anglers must traverse across a grassy stretch to reach Black Creek where they fish directly from shore or utilize the area set aside for launching kayaks and canoes. There is currently no handicapped fishing access available. This project would provide a concrete trail from the parking lot near the boat launch to a large universally accessible fishing/observation platform. Appropriate signage would be added to direct anglers, inform them of fishing opportunities, list fishing guidelines, and designate Great Lakes Fisheries Trust as a funding provider. Handicap parking spaces would be added near the trail in the existing parking lot.

Public access to shore-fishing opportunities in Macomb County have been historically cut off by private fishing and boating groups. One of the primary goals of the Macomb County Blue Economy Initiative – to increase accessibility to Lake St. Clair and the Clinton River – was developed in part to counteract this deficiency. The MDNR lists five public shore-fishing access sites in Macomb County with four of them on or near to Lake St. Clair, known to be one of the nation's best fishing lakes. None of these locations have universally accessible fishing areas. According to the MDNR, the closest handicap accessible shore-fishing sites are at the former Detroit Edison Plant in Marysville, St. Clair County (36 miles northeast) and at Pontiac Lake Recreation Area in Oakland County (44 miles west).

## Approval – Grant Application

A National Oceanic and Atmospheric Administration (NOAA) Fisheries Improvement grant is currently underway in Black Creek Marsh to improve habitat for fisheries through the creation of open water channels and ponds (based on historical aerial photographs) and the removal of invasive marsh species. The grant's goal is to increase the diversity and abundance of fish and wildlife habitat. The proposed fisheries access project would dovetail with this habitat improvement work and provide enhanced access for fishing in the restored habitat.

This project would also meet goals in the Metroparks current five-year Recreation Plan for Lake St. Clair Metropark under the area of Shoreline Access Improvements Maintenance. According to the plan, "The project will create additional shore fishing opportunities and green space between the maintenance yard and the north marsh." This project will fulfill the fishing access portion of this objective. As seen from the included project maps the project area sits just east of the maintenance service area providing shore-fishing access to the north marsh via Black Creek.

The project has letters of support from the MDNR Fisheries Division and the Macomb County Planning and Economic Development Department. The MDNR Fisheries Biologist for the region states that he is confident this "will become one of the more popular shore fishing sites on Lake St. Clair."

Attachments: GLFT Grant Agreement Approved Project Proposal Grant Drawings and Illustrations Grant Budget, Maps, Letters of Support Resolution

Project 2016.1667



# GLFT GRANT AGREEMENT DOCUMENT CHECKLIST

For a more detailed explanation of each document listed below, please see the agreement cover letter and requirements in the grant agreement.

Check off each of the items you have included. If they do not apply to your project, state N/A.

- [ ] Signed grant agreements (BOTH copies)
- [ ] Original/approved project proposal (Appendix A)
- For nonprofit 501(c)(3) organizations, most recent IRS Form 990 (Appendix B)
- [ ] Proof of insurance (Appendix C)
- [ ] For governmental bodies, authorizing community resolution (Appendix D)
- [ ] Third-party contracts, insurance and bonding documents, if applicable (Appendix E)

Project 2016.1667

6-C-1-a



# ACCESS TO THE GREAT LAKES FISHERY GRANT AGREEMENT



**Project Number**: 2016.1667 **Project Name**: Black Creek Shore Fishing Access – Lake St. Clair Metropark **Grant Recipient**: Huron-Clinton Metropolitan Authority

THIS AGREEMENT is made this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_, by and between the Great Lakes Fishery Trust, hereinafter referred to as the TRUST and the Huron-Clinton Metropolitan Authority hereinafter referred to as the GRANT RECIPIENT. WITNESSETH:

WHEREAS, the TRUST was created pursuant to a Settlement Agreement to compensate for lost fish, fisheries and recreational fishing opportunities associated with the operation of the Ludington Pumped Storage facility in Ludington, Michigan;

WHEREAS, further pursuant to that Settlement Agreement, the TRUST was created to receive payments in the form of cash and properties for past and future fish losses at the Ludington Pumped Storage Facility, and to use those funds to mitigate the fish losses according to the terms of the Settlement Agreement;

WHEREAS, the TRUST and the GRANT RECIPIENT, in fulfillment of the purposes of the TRUST have reached an agreement; and

NOW THEREFORE, the TRUST and the GRANT RECIPIENT, in consideration of the terms, promises, conditions, and assurances hereinafter set forth, mutually agree as follows:

1. Grant Administration: This Agreement shall be administered on behalf of the TRUST by its managers. All reports, documents, or proof of actions required of the

GRANT RECIPIENT shall be submitted to the grant manager, Jonathon Beard, Great Lakes Fishery Trust, 230 N. Washington Square, Suite 300, Lansing, MI 48933.

- 2. **Purpose**: The project to be accomplished under this Agreement shall satisfy the grant objectives identified in Appendix A, which is attached and incorporated into this Agreement.
- 3. Grant Period: The work outlined in Appendix A must begin promptly upon execution of this Grant Agreement, and be completed no later than 10/31/2017, unless changes are requested by the GRANT RECIPIENT and approved in writing in advance by the TRUST,
- 4. **Budget and Expenditure**: The TRUST shall grant the GRANT RECIPIENT a sum of money to be used for the purposes detailed and the schedule of costs outlined in Appendix A, at a total cost not to exceed \$58,500. The GRANT RECIPIENT must obtain advance written approval from the TRUST for disbursement deviating from the line items of the approved schedule of costs outlined in Appendix A. Expenses must be incurred during the grant period. Any cost overruns incurred to complete the project as outlined in Appendix A shall be the **SOLE** responsibility of the GRANT RECIPIENT unless specifically approved in writing in advance by the TRUST.

#### 5. Payment:

- a. The TRUST shall make prompt disbursements under the terms of this Agreement, provided that appropriate documentation has been provided, as follows:
  - i. Disburse 15 percent of the total grant at the time the contract is executed for engineering design and the preparation of construction bid specifications (unused funds shall be used for construction costs).
  - ii. Upon receipt and approval of the selected construction bid, design, and proof that the selected contractor is bonded and insured, disburse all but 10 percent of the remaining grant balance or the selected bid (less the initial grant payment), whichever is less (see item 6a).
  - iii. Disburse the remaining grant balance upon receipt and approval of a final report (see item 6b).
- b. Disbursement shall not exceed the amounts specifically stated to be paid in any one year in the Budget Schedule in Appendix A.
- c. The TRUST specifically reserves the right to withhold payments if appropriate documentation is not provided, or required reports or submissions identified in this Agreement have not been provided by the GRANT RECIPIENT to the TRUST.

#### 6. Reporting:

a. The GRANT RECIPIENT shall furnish to the TRUST a copy of the approved construction bids with invoice.

- b. Within 60 days following the end of the grant period, the GRANT RECIPIENT shall furnish to the TRUST a final report, using the template provided. The final report will also contain
  - i. photos of the completed project and photo verification of the posting of the GLFT sign (see item 8b), and
  - ii. a statement of expenses according to the line items in the approved bid as submitted to the TRUST and on appropriate financial documentation verifying payments (e.g., copies of invoices, record of hours expended, standard accounting ledgers used by the GRANT RECIPIENT's organization, and/or copies of canceled checks with descriptions).
- c. If the final financial report and final invoice satisfying the requirements of this Grant Agreement are not submitted to the TRUST within 12 months following the end of the grant period, the GRANT RECIPIENT will be considered in default of its grant obligations. Under that circumstance, the TRUST reserves the right, without further notice to the GRANT RECIPIENT, to terminate the Grant Agreement, modify payment terms, forfeit account balances, and cease payments.
- d. The GRANT RECIPIENT shall provide a copy of any publications produced under this grant to the TRUST for its records, and submit, upon the TRUST's request, information relating to this grant including digital or color photographs.

#### 7. Liability Insurance:

The GRANT RECIPIENT shall provide proof of valid general liability and automobile insurance (copies of policies) covering those persons employed by or volunteering services to the GRANT RECIPIENT to carry out activities covered by this Agreement. If a contractor is used for all or part of the work outlined in Appendix A, such contractor must be bonded, and hold appropriate liability insurance proof of which shall be furnished to the TRUST. By signing this Agreement, the GRANT RECIPIENT acknowledges that appropriate insurance coverage will be maintained during the grant period. The TRUST reserves the right to require higher liability limits than those contained in the policies submitted for approval if higher limits are required to protect the interests of the TRUST.

## 8. TRUST Acknowledgement:

- a. GRANT RECIPIENT shall provide appropriate acknowledgment for the TRUST's grant on any publication or printed material distributed on or about the project described in Appendix A.
- b. GRANT RECIPIENT shall post a sign recognizing the TRUST's contribution to be placed at the entrance to the fishing access site funded by this grant. Such permanent acknowledgement shall be in the form of a 15" x 8 <sup>3</sup>/<sub>4</sub>" metal plaque supplied by the TRUST. The TRUST requires verification of the posting of the sign before it will process the final grant disbursement.

#### 9. Equal Opportunity/Access:

a. GRANT RECIPIENT shall not discriminate against an employee or applicant for employment with respect to hire, tenure, terms, conditions, or privileges of employment, or a matter directly or indirectly related to employment, because of race, color, religion, national origin, age, sex, height, weight, marital status, or because of a handicap that is unrelated to the person's ability to perform the duties of a particular job or position.

- b. GRANT RECIPIENT shall provide a copy of the contract with any non-public entities performing or providing services paid for in part or in whole by funds granted under this Agreement to document appropriate non-discrimination requirements. GRANT RECIPIENT further agrees that any subcontract shall contain a non-discrimination provision, which is not less stringent than this provision and binding upon any and all subcontractors responsible for all or a portion of the work outlined in Appendix A.
- c. If facilities are constructed under this Agreement, the land and water access ways to the said facilities shall be open to the public on equal and reasonable terms and no individual shall be denied ingress or egress thereto or the use thereof on the basis of sex, race, color, religion, national origin, residence, age, or handicap.

## 10. Compliance with Laws:

- a. GRANT RECIPIENT shall construct, operate, and maintain the premises in such condition as to comply with all federal, state, and local laws which may be applicable and to make any and all payments required for all taxes, fees, or assessments legally imposed against said property.
- b. GRANT RECIPIENT is solely responsible for determining the requirements for and obtaining any permits or licenses that may be required by local, state or federal laws, regulations, or rules to carry out the activities funded under this Agreement.

## 11. Property and Facility Management:

- a. GRANT RECIPIENT shall be solely responsible for development, operation, and maintenance of the property in the project area and the facilities constructed under the terms of this agreement, and responsibility for actions taken to develop, operate, or maintain the property and facilities is solely that of the GRANT RECIPIENT. If a contractor is used for all or part of the work outlined in Appendix A, such contractor must be bonded, and hold appropriate liability insurance.
- b. GRANT RECIPIENT shall maintain and control the facilities constructed under the terms of this Agreement at its expense for a period of at least 20 years.
- c. GRANT RECIPIENT shall possess adequate control and tenure to all lands in the project area. If control is in the form of a lease, the length shall be commensurate with the value of the facilities constructed. In no case shall any lease tenure be less than 20 years. The GRANT RECIPIENT will defend any suit brought which involves the use of the property, or specific rights, including appurtenant riparian rights, of any lands connected with or affected by this project.
- d. GRANT RECIPIENT shall acknowledge that it has examined the property and that it has found the property to be safe for public use or that action can and will be taken by the GRANT RECIPIENT to assure safe use of the property; that the

6-C-1-a

responsibility for deciding whether or not to carry public liability insurance, the amounts, coverage, and all other particulars with respect thereto is solely that of the GRANT RECIPIENT; and that the TRUST's involvement in the premises is limited solely to the making of a grant to assist the GRANT RECIPIENT in developing same.

- e. None of the project area nor any of the facilities constructed under this Agreement shall be wholly or partially conveyed during the life of said project, either in fee or otherwise or leased for any period, nor shall there be any whole or partial transfer of the lease title, ownership, or right of maintenance or control by the GRANT RECIPIENT except with the written approval and consent of the TRUST. The assistance provided to the GRANT RECIPIENT as a result of this Agreement is intended to have a lasting effect on the supply of public recreation beyond the financial contribution.
- f. GRANT RECIPIENT shall erect and maintain appropriate directional signage to guide the public from main thoroughfares to the project sites with approval, and meeting the specifications, of the appropriate jurisdictions.
- 12. Release and Indemnity: Each party shall be responsible for its own acts and the results thereof and shall not be responsible for the acts of the other party and the results thereof. Each party, therefore, agrees, to the extent authorized by applicable State or Federal statute, that it will assume all risk and liability to itself, its respective board members, officers, employees, or agents from any and all claims, demands, judgments and expenses, including attorney fees, from any and all loss, damage, or injury, to person or property, or death arising from any negligent action or omission by itself or its own agents related to the Agreement, the activities authorized by this Agreement, or the use or occupancy of the premises, project area or facilities that are the subject of this Agreement. If the GRANT RECIPIENT is a Federal Government Agency, liability will be governed by the Federal Tort Claims Act (U.S.C. § 2761 et seq.).
- 13. **Definition of Agreement:** The proposal form bearing the project name from Page 1 and Appendix A, and all required supporting documentation (Attachments) submitted for approval with this signed Agreement bearing this project name constitute the entire Agreement between the parties and may be modified only in writing and executed in the same manner as the Agreement is executed.
- 14. **Breach of Agreement:** Any failure by the GRANT RECIPIENT to abide by any of the conditions, promises, covenants, agreements, or like undertakings contained in this Agreement shall constitute a material breach of this Agreement and shall entitle the TRUST to seek specific performance required under the terms of this Agreement, damages and/or termination at the TRUST's discretion.

6-C-1-a

IN WITNESS WHEREOF, the parties hereto have hereunto set their hands the day and date first above written.

GRANT RECIPIENT SIGNED (Authorized A)	gent)	WITNESSED BY	
Ву:			
(Signature)		(Signature)	(Date)
Name:			
(Typed or Printed)		(Typed or Printed)	
Title:			
Employer Identification	Number:		
Internal Revenue Code:	*		
<u>SIGNED</u> (Project Manag By:			
By:(Signature)	(Date)		
Name:			
(Typed or P	rinted)		
GREAT LAKES FISH	ERY TRUST		
SIGNED		WITNESSED BY	
By:			
(Signature)		(Signature)	(Date)
Name:		Mar Marshall	A State of the second
(Typed or Printed)		(Typed or F	rinted)
Title: Manager, Great La	akes Fishery Trust		

6-C-1-a

## ATTACHMENTS (to be submitted with the signed Agreement):

Appendix A: Approved project proposal

- Appendix B: A copy of the GRANT RECIPIENT's most recently filed Form 990 for nonprofit 501(c)(3) organizations (to be attached and submitted by GRANT RECIPIENT)
- **Appendix C:** A copy of the GRANT RECIPIENT's general liability and automobile insurance for the GRANT RECIPIENT and its contractor(s) (to be attached and submitted by GRANT RECIPIENT)
- Appendix D: An original copy of the resolution authorizing acceptance of the obligations contained in the Grant Agreement, if required by statute or under the bylaws of the GRANT RECIPIENT's governing body (to be attached and submitted by GRANT RECIPIENT) [sample attached]
- **Appendix E:** If applicable, a copy of the contract with any third party performing or providing services paid for in part or in whole by funds granted under this Agreement to document appropriate nondiscrimination, insurance, and financial requirements of this Agreement

Project 2016.1667 6-C-1-b

# APPENDIX A (Approved project proposal)



Access to the Great Lakes Fishery 2016 Application

Proposal ID	1667		
Project Title	Black Creek Shore Fishing Access - Lake St. Clair Metropark		
Organization	Huron-Clinton Metropolitan Authority		
Contact Name	Michelle Nichols		
Previous Applicant	No		
Previous Grantee	No		
Previous Application	No		
Amount Requested	\$58,500		
Match Provided	\$22,600		
Start Date	1/4/2017		
End Date	10/31/2017		
Project Area	Lake Erie		
Eligible Organization	Yes		

#### **Project Summary**

Briefly explain what the project proposes to accomplish using terminology that would be appropriate to include on the Great Lakes Fishery Trust (GLFT) website or in a press release to communicate project goals to a general audience. (Limit your response to 75 words.)

The shore-fishing access project at Lake St. Clair Metropark in Macomb County, Michigan will help create additional public shore-fishing opportunities on Black Creek including a universally accessible fishing/observation platform, a cement pathway to the platform, and handicap parking next to the pathway. The project provides access by means of an existing parking lot adjacent to Black Creek. The creek empties into Lake St. Clair and is a popular shore-fishing area for anglers visiting the park.

#### **Project Narrative**

1) Access to the Great Lakes Fishery. Describe the proposed site enhancements and explain how they will improve shore-based recreational and/or tribal access to the Great Lakes fishery. Provide detailed information about fishing structures that would be developed or modified such as boardwalks, break walls, or fishing piers/platforms. If funding is requested for engineering/feasibility studies only, describe the anticipated enhancements that would be evaluated through the studies. (Limit your response to 250 words.)

Shore-fishing on the northern part of the Black Creek at Lake St. Clair Metropark while popular with anglers provides limited amenities. From the closest parking area, anglers must traverse across a grassy stretch to reach the Black Creek where they fish directly from shore or utilize the area set aside for launching kayaks and canoes. There is also no handicapped access available.

The project will provide a concrete trail from the parking lot to a universally accessible fishing/observation platform. Appropriate signage will be added to direct anglers, inform them of fishing opportunities, list fishing guidelines, and designate Great Lakes Fisheries Trust as a funding provider. Handicap parking spaces will be added near the trail.

A National Oceanic and Atmospheric Administration (NOAA) Fisheries Improvement grant is currently underway in the Black Creek Marsh area to improve habitat for fisheries through the creation of open water channels and ponds (based on historical aerial photographs) and the removal of invasive marsh species. The grantâ€<sup>TM</sup>s goal is to increase the diversity and abundance of fish and wildlife habitat. This Shore-Fishing Access project will dovetail with this habitat improvement work and provide enhanced access for fishing in restored habitat.

**2)** Fishing-related Amenities. Describe the fishing-related amenities to be provided in conjunction with the project. The GLFT only funds specific angling-related amenities associated with shore-based fishing access projects. For more information regarding the type of fishing access amenities eligible for funding, refer to the Policy on Tribal and Recreational Fishing Access Grants, which can be found on the GLFT website at www.glft.org on the Grant Related Policies page under the Resources tab. (Limit your response to 200 words.)

One of the primary amenities of this project is the universally accessible fishing/observation platform. This will open up fishing on Black Creek to all anglers regardless of their physical limitations. The platform will be directly on Black Creek and reached from a concrete pathway between the platform and the parking lot where handicap parking spaces will be added adjacent to the trail. The platform will overlook the freshwater marsh and be an ideal location for fishing and viewing wildlife. To achieve universal design for fishing platforms at least 25% of the rails will be lowered and either rails or an edge treatment will be in place to prevent roll off. Sitting benches with both back and arms and a tackle box stand will also be included. Other fishing amenities include a monofilament recycling bin, fishing rod holders, and appropriate signage. The platform and pathway will be designed to meet Michigan Department of Natural Resources (MDNR) guidelines for universally accessibility wherever feasible and will be reviewed by organizations that support persons with disabilities prior to finalization.

**3)** Geographic Location (Narrative). Describe the geographic location of the proposed project. Recreational fishing access projects must be located in Michigan on the Great Lakes or lower portions of major tributaries. Projects located on Lake Michigan or lower portions of major tributaries from New Buffalo to Mackinaw City will receive highest funding priority. Tribal fishing access projects must be located on northern Lake Michigan and northern Lake Huron, consistent with the provisions of the 2000 consent decree. (Limit your response to 125 words.)

project will fulfill the fishing access portion of this objective. As seen from the attached Metropark map, the project area sits just east of the maintenance service area providing shore-fishing access to the north marsh via Black Creek.

This project supports the Macomb County Blue Economy Initiative by increasing "access to Lake St. Clair and the Clinton River and continuing to enhance and improve environmental quality of Lake St. Clair and the Clinton River. Similarly, Harrison Township lists the Lake St. Clair Metropark as a key recreational attribute within the township and this project supports its goal of providing additional recreational experiences.

The Michigan Fisheries Division Strategic Plan also has the objective to create and enhance fishing opportunities and to increase participation and interest in fishing among all demographic groups. This project aligns with these goals enhancing fishing opportunities within convenient driving distance of diverse demographic groups and creating the opportunity for anglers with physical impairments to have a suitable place to fish. Similarly, this project meets the Great Lakes Fisheries Trust Strategic Plan priority to increase access to the Great Lakes fisheries for shore-based angling including provisions for universal design.

**8) Population.** Describe the population in the project area. Funding priority will be given to sites where the potential for use is high, as in urban locations or recreational destinations offering multiple forms of water-related recreation. How many anglers do you anticipate using the site annually? Approximately what percentage of all facility users will be anglers? (If facilities are to be shared with other expected users of the site, the GLFT will consider funding a share of the project costs based on estimated use by anglers versus nonanglers.) (Limit your response to 200 words.)

Lake St. Clair Metropark is located in an urban area just north of Detroit in Macomb County. The Metropark draws one million annual visitors from across southeast Michigan due to its unique location on Lake St. Clair and the plethora of recreational activities available.

Shore-fishing along Black Creek is popular especially at the boat docks, however the exact number of anglers utilizing the resource is unknown. A 2012 survey found that fishing was in the top five primary reasons for visiting a Metropark (above pool swimming, hiking, beaches, boating, and mountain biking) as ranked by Macomb County residents and was listed as the number one reason for 12% of visitors to come to a Metropark. It is expected that once the NOAA Fisheries Black Creek Marsh Project is complete the overall quality of the fishery in the Black Creek will significantly improve.

This project is designed for fisheries access, however it's probable that the fishing/observation platform and trail will be used by hikers desiring a closer look at marsh wildlife. Even so, the majority of use is anticipated to be anglers desiring a unique and high-quality fishing experience. (See attached photos of fishing at proposed site and along Black Creek.)

**9) Community Engagement.** Describe the extent to which stakeholder groups such as local residents, tourists, anglers, and management agencies have been involved in the development of the proposed project. Provide details regarding plans for continued community engagement. Projects should have a broad range of support from organizations and/or agencies interested in Great Lakes fisheries; from the general public; and/or from the scientific community. Priority will be given to projects that can demonstrate such support and include robust and meaningful stakeholder engagement. (Limit your response to 300 words.)

This project is part of the HCMA 5-year recreation plan which received a substantial amount of public input prior to its development. The Metroparks received input through user surveys within

Black Creek is located within Lake St. Clair Metropark in Harrison Township, Macomb County, Michigan, one of thirteen parks owned and managed by the Huron-Clinton Metropolitan Authority (HCMA). It is situated in an urban area about a 30 minute drive north of Detroit whose skyline is visible on clear days. About one million visitors annually enjoy the Metropark's many recreation opportunities. Black Creek flows on the north and east sides of the main park area emptying into Lake St. Clair at Huron Point. The northern portion of the creek runs through Black Creek Marsh coastal wetlands which has received Great Lakes Restoration Initiative (GLRI) funds to remove invasive species in the marsh and a NOAA Fisheries Investment grant to restore habitat and rebuild fisheries.

**4) Geographic Location (Map).** Provide a map depicting the project location. Upload the document as a PDF in the online application.

Attached

5) Geographic Location (Zip Code). Indicate the zip code of the project location.

48045

6) Project Need. Describe the need for and significance of the project, noting the nearest Great Lakes access opportunity and whether the site will fill an unmet need for access in the area. Projects located in areas where there is an unmet need for fishing access (i.e., there is no viable access alternative nearby) will be given higher priority when making funding decisions. (Limit your response to 250 words.)

Public access to shore-fishing opportunities in Macomb County have been historically cut off by private fishing and boating groups. One of the primary goals of the Macomb County Blue Economy Initiative to increase accessibility to Lake St. Clair and the Clinton River was developed in part to counteract this deficiency. The MDNR lists five public shore-fishing access sites in Macomb County with four of them on or near to Lake St. Clair, known to be one of the nation's best fishing lakes. None of these locations have universally accessible fishing areas. According to the MDNR, the closest handicap accessible shore-fishing sites are at the former Detroit Edison Plant in Marysville, St. Clair County (36 miles northeast) and at Pontiac Lake Recreation Area in Oakland County (44 miles west).

The nearest point of public access is the neighboring Harley Ensign Memorial - Boat Access Site which is a large boat launch site that also allows shore-fishing on Lake St. Clair and at the mouth of the Clinton River. The type of fishing experience at Harley and at the surrounding public fisheries are different from the shore-fishing experience at Black Creek due to the marsh habitat that lies adjacent to the creek.

Anglers currently use the north portion of the Black Creek to fish even though no amenities are available. They have even encroached upon the canoe/kayak launch area by moving a picnic table in the middle of the launch site so that they have a place from which to fish.

7) Relationship to Recreation and Other Management Plans. Describe the planning process that was used to identify the proposed site location and site enhancements. Priority will be given to projects that are identified through a Five-Year Recreation Plan, Community Master Plan, or similar planning document. (Limit your response to 300 words.)

The HCMA's current 5-year Recreation Plan for Lake St. Clair Metropark lists Shoreline Access Improvements Maintenance Area. According to the plan, the project will create additional shore fishing opportunities and green space between the maintenance yard and the north marsh. This HCMA park boundaries and through telephone surveys conducted by Public Sector Consultants of randomly selected residents in the five-county area. In addition, the Board of Commissions is made up of two members appointed by the governor and five member representatives (one from each county). Planning personnel also makes sure the plan is consistent with local and regional planning organizations.

The concept for this project was reviewed with several stakeholder organizations and a letter of support from Macomb County is attached. The need for a fishing platform with universal access is reflected by a 2012 telephone survey which found that 32% of non-visitors to the Metroparks would visit if the parks were more handicap accessible.

The Metroparks are currently in preparation for the next 5-year recreation plan, and public meetings are already underway. An initial meeting is scheduled for Lake St. Clair Metropark in January for general ideas and input on what the public would like to see changed. Once a plan is developed, a second meeting will be held to receive public feedback. Online questionnaires will also be available on the website. Opportunities for participation will be highlighted on Metroparks social media, its website, and through flyers distributed at the parks. Stakeholder organizations and local governments are also sent an email notification so that they can get out word to their constituents to participate in the meeting or survey.

The facilities will be designed for universal accessibility using MDNR guidelines for recreation facilities and once the proposal is accepted for funding, organizations that serve persons with disabilities will also be contacted for design review and comment prior to design finalization.

**10)** *Physical Characteristics.* Describe the physical characteristics of the site that make it suitable for fishing access. The proposed site must have the physical characteristics necessary for access site construction. Priority will be given to projects proposed on sites where property is already in public ownership and land acquisition is not required. (Limit your response to 200 words.)

Lake St. Clair is known by anglers to be one of the best fishing places in the United States, as rated by Bassmasters and Michigan Sportsman Magazine. One of the most frequently used public access points to Lake St. Clair is at the Metropark that bears its name. Shore-fishing is a popular recreational activity at the Metropark (see photo attachments) and much of it occurs along the Black Creek. This creek flows across the center of the Metropark (dividing the marsh on the north side and recreational parkland on the south side) and down its eastern side, emptying into Lake St. Clair.

While the Metropark does not keep records of fish catch, according to the online Lake St. Clair Fishing Report "bluegill, catfish, crappie, largemouth bass, perch, pike, rock bass, and smallmouth bass" have all been caught in Black Creek.

The site to be developed is along the northern portion bordering the marsh. The NOAA Fisheries grant currently in progress is creating improved fish habitat through invasive species removal and restoration of historical channels. The fishing platform will be accessed by a walkway from an existing parking lot and adjacent handicap parking will be added.

**11)** Habitat Improvement. Describe the incidence of habitat destruction that will be prevented/lessened because of proposed access improvements, if any. Projects that will prevent or lessen the incidence of habitat destruction associated with shore-based fishing in a previously unimproved location will be given

higher funding priority. If the proposed project will have no effect on habitat, please indicate as such. (Limit your response to 200 words.)

Lake St. Clair Metropark has done much to improve the habitat of the north marsh area through recent and current GLRI and NOAA Fisheries grants for invasive species control (primarily Phragmites) as well as channel restoration that will improve fish habitat and spawning areas in Black Creek. This project will provide access to these restored habitats. By providing new fishing access along the Black Creek it is anticipated that anglers will traverse along the concrete path and fish at the platform instead of creating their own fishing space along the shore which is damaging native vegetation and increasing soil erosion. The addition of a mono-filament recycling bin and associated signage will help protect aquatic species (fish, turtles, and birds) from line ingestion and entanglement.

**12)** Maintenance and Safety Measures. Describe how the site will be maintained and the safety of visitors ensured after it is constructed. Applicants must demonstrate the ability to maintain the access site, ensure the safety of its users, and enforce user regulations. (Limit your response to 200 words.)

Major and minor maintenance at Lake St. Clair Metropark is an ongoing occurrence and the project's new amenities will be added to annual maintenance plans. The park employs building maintenance, equipment maintenance, and grounds maintenance staff. Park operations staff remove weeds from Lake St. Clair regularly, and work to control invasive species in the marshlands. Trail maintenance is on an as-needed basis and extensive rebuilding of the Nature Center trails is planned for this year. Painting and caulking of various outbuildings is a scheduled annual undertaking as is maintaining the parking lots and paved trails. The 2016 total maintenance expense budget for the Lake St. Clair Metropark is \$1,164,120.00.

As part of the HCMA the area is protected by its police force. A sergeant and 3 full-time officers are assigned to the park from 1:00-9:00 pm daily and one part-time officer is assigned to the split shift (3:00-9:00 pm). In the summer season an officer is also assigned 7:00 am-3:00 pm. Police actively patrol the park and provide emergency response services.

**13)** Tribal Commercial Fishing and Public Usage. If tribal access will be provided, please describe the arrangements that have been made with respect to other tribes and the public using the site. If no special provisions for tribal access would be provided, please indicate as such. (Limit your response to 200 words.)

No special provisions for tribal access have been made, however the increased access created by this project will improve fishing opportunities for tribal members including those with physical limitations.

**14)** User Fees to Access the Facility. State whether users of this facility will be required to pay a fee to access the facility and describe any fees that will be required to access the site. (Limit your response to 100 words.)

A Metropark Motor Vehicle Permit is required for all vehicles entering the park. This \$35 annual permit (or alternate daily pass of \$10 per vehicle) grants the vehicle access to all thirteen Metroparks across southeast Michigan. There is a reduced rate of \$21 for senior citizens over 62 years of age. There is no cost for pedestrians or bicyclists entering the park.

**15)** Accessibility. Describe how the proposed access site would accommodate people of various needs and abilities. Proposed access sites must meet legal accessibility standards for persons with disabilities. Priority will be given to projects that support the principles of universal design. (Limit your response to 200 words.)

This project is designed to be universally accessible for persons with disabilities. The MDNR Guidelines on Designing Specific Types of Recreation and Support Facilities that Exceeds ADA for Universal Accessibility were used to design the project components. These guidelines list specifics for trails, walkways, paths, and parking as well as fishing docks/piers and viewing decks. (See attached design drawings for more information.) Signage will also be designed to exceed ADA standards. Universal design elements of the project include:

Path slopes of less than two percent

Walkways at least six feet wide

Unitary surfaces -- concrete for walkway; polyethylene with grid pattern for platform

Transition plate (aluminum) between gangway and platform

Fishing platform with at least 25% of the rails lowered

Fish landing cutaways as various locations on the platform

Benches with backs and arm rests

Tackle box stand near one end of bench

Handicap designated parking located directly next to the pathway

Signage, non-glare finish, minimum 70% light reflectance value, use symbols where appropriate, and Arial or similar typeface

Project plans will be reviewed by various groups that provide disability services for feedback prior to design finalization.

**16)** Authorizations, Permits, or Approvals. Describe any authorizations, permits, or approvals required to undertake the project. Include information regarding the status of permits, etc., as of the grant application date. If tribal fishing access is to be provided, explain how this project will comply with the 1836 tribal fishing rights Consent Decree, including a statement indicating that the grant funds requested will not replace other sources of funding provided by the Consent Decree. (Limit your response to 200 words.)

Permits are likely to be required at the State, County and Township level, but further investigation will be required to determine if they are applicable. The Michigan Department of Environmental Quality requires permits for construction within a floodplain. While the proposed fishing platform is floating, the cement walkway to the platform may require a permit since the project area lies within the Clinton River floodplain. Macomb County requires a soil erosion permit for disturbances of land within 500 feet of water so it is likely that a permit will be needed to construct the pathway to the platform. Similarly, a building permit may be required by Harrison Township. The HCMA will determine required permits upon funding approval and apply for them at that time.

**17)** *Communications.* Describe your plans for making the public and other appropriate forums or groups aware of results. (Limit your response to 200 words.)

The completed project will be promoted in several ways. Press releases to local news sources will introduce the new shore-fishing availability and its accessible design features. The Metroparks social media, Facebook (50,000 likes/fans), Twitter (1500 followers), and Instagram (50 users)

and the Metroparks website (nearly 600,000 page views in July) will highlight the new shorefishing amenities with photos. Letters will be sent to local groups of interest, both fishing organizations and handicap services providers, inviting them to explore and fish. All promotions will laud the Great Lakes Fisheries Trust grant as the vehicle for the project's execution.

**18) Educational Opportunities.** Describe the Great Lakes fisheries-oriented educational opportunities that will be included on the site (e.g., interpretative signage, events), if any. Funding priority will be given to proposals that include angler education opportunities (e.g., signage at access site that identifies potential catch, fishing seasons, and other information relevant to anglers and aligned with the GLFT mission and goals) and projects with educational or stewardship-oriented programming aligned with the GLFT's mission. If no educational opportunities would be included, please indicate as such. (Limit your response to 200 words.)

Interpretive signage at the location will provide anglers with relevant site information including catch, regulations, and other information. Park visitors go to the Nature Center for maps, information, and to view exhibits or attend programs. The Nature Center currently distributes MDNR Fishing Rules and Regulations handouts.

The Metropark Nature Center also features interpretive programs and exhibits relevant to fisheries including shoreline fishing programs for kids. Interpreters also lead tours through the marshland and explain the importance of it as a source of habitat for a variety of creatures, a natural pollution filter, and a spawning ground for fish and amphibians. The Nature Center exhibits describe invasive species of the marsh, how they are managed, and their threat to fisheries and other wildlife.

The Metropark together with the Michigan Sea Grant offer annual Summer Discovery Cruises. This past July cruises were offered on The Nature of Lake St. Clair to learn about the aquatic life, habitats, and the river delta area, and on Lake St. Clair Fisheries to learn about the fish found in the lake. This latter cruise features an MDNR Fisheries biologist and a rendezvous with a research vessel to observe fish tagging, measuring, and other research observations.

**19)** Applicant Capacity. Describe the applicant's capacity to administer and complete the proposed project, including demonstrated experience in successfully managing grants and executing projects of a scope and depth comparable to those of the proposed project. Priority will be given to applicants with experience, expertise, and exceptional past project implementation performance. (Limit your response to 250 words.)

The HCMA has been the recipient and executor of many successful grant projects. At Lake St. Clair Metropark two Great Lakes Restoration Initiative (GLRI) grants totaling \$1.5 million have recently been completed to divert stormwater runoff from a parking area into newly created swales and wetland areas. Another GLRI grant of \$1.2 million for marsh restoration is set to be complete this year. The Metropark is also part of a Cooperative Invasive Species Management Area that recently received \$20,000 from the MDNR's Invasive Species Grant Program to control non-native invasive plants including Phragmites and European frog-bit along Black Creek. The current NOAA Fisheries grant at Black Creek Marsh totals \$628,000.

Part of the HCMA's success with grant projects is due to the in-house expertise available for project implementation and design. The Metroparks employ civil engineers, natural resource experts, land use/regional planners, and landscape architects as well as educational interpreters,

media specialists, graphic artists, and many operations-specific staff. This combined expertise helps to ensure a successful project from start to finish.

#### Land Acquisition

This section is required only if your proposal includes a request from the GLFT to support the acquisition of real property through fee simple or lesser interest in a property. **If your proposal does not include land acquisition, you may SKIP TO THE PROJECT ATTACHMENTS SECTION.** 

N/A

#### **Project Attachments**

**Design Drawings.** Upload design drawings for your proposal, if available, in the online application. Only PDF files will be accepted. If you have multiple drawings, please merge them to create a single PDF file before uploading.

#### Attached

Letter(s) from Fishery Managers. In the online application, upload a letter(s) from the local Department of Natural Resources district office and/or the Chippewa Ottawa Resource Authority validating that the project provides access to a viable sport and/or tribal fishery. Only these projects will be considered for GLFT funding. Upload the letter(s) in a PDF file. If you have multiple letters, please merge them to create a single PDF file before attaching.

#### Attached

#### Project Budget

**Budget Narrative.** Briefly explain how the figures in each budget category on the detailed project budget were estimated and justify the need for the costs. Projects with financial support from other sources are encouraged. Although matching funds are not required, proposals that include local funding and promote community participation in the use of fishery resources will be favored. If matching funds or in-kind contributions are involved, please:

Identify the sources and amounts and explain for each whether these have been pledged, requested, or secured.

Explain whether the GLFT funds are to be used as a match requirement, and, if so, what percentage of GLFT funds would be used to complete specific items (e.g., 30 percent of needed funds for a task would be from the GLFT, 70 percent from other sources).

Address contingency plans if pending funding is not realized.

(Limit your response to 300 words.)

To support this important Shore-Fishing Access project the Huron-Clinton Metroparks will provide costs for all professional engineering design, project planning, graphic design for signage and brochures, and administrative support including project oversight and communications. The total cost for professional services is \$22,600. The fishing platform and gangway design depicted for the project utilizes EZ Dock components, however a vendor with a similar product may be selected for the final product. This type of dock design provides a floating dock made of polyethylene construction for durability, low-maintenance, and safety. The fishing dock components were selected based on universal accessible guidelines for fishing docks. Total cost for the platform, gangway, railings, permit, and associated amenities (benches, storage box, transition plate, rod holders, etc.) is \$40,600. (This amount does not include related professional services as outlined above.) Surface material, width, and slope of the pathway to the dock were

all selected to meet universal design recommendations for a recreation pathway. The pathway will be a six foot wide path of six-inch reinforced concrete pavement that runs from the parking lot to the dock. Construction costs include earthwork and grading, concrete, topsoil, seed, permits, and silt fencing. Total cost for construction of the walkway is \$14,200. (This amount does not include related professional services as outlined above.) Two van accessible handicap parking spaces will be added that have an eight foot aisle width and eight foot parking space width. The spaces will be marked with handicap signs and be located on both sides of entrance to the walkway for safety and convenience. Total cost for parking lot striping and signs is \$2,000. Interpretive and locational signs will be located at various points around the dock. The cost for these signs is \$1,700. (This cost does not contain graphic design costs which are included above).



Project title: Shore-Fishing Access - Lake St. Clair Metropark Project manager: Eric Ellis Budget name: Black Creek Improvements

ovements Year 1 of 1 total years

		N CHARLEN		i ili		V	
	Tang.			Matching		Т	otal Project
EXPENSE CATEGORY	G	LFT Funds		Funds	Source of Match		Cost
Salaries	\$	-	\$	8,040.00		\$	8,040.00
Park Planner (20 hours)			\$	790.00	HCMA		
Park Operations Manager (20 hours)			\$	770.00	HCMA	_	
Graphic Designer (180 hours)			\$	6,140.00	HCMA		
Community Relations Specialist (3 hours)			\$	100.00	HCMA		
Medial Relations Specialist (3 hours)			\$	120.00	HCMA		
Webmaster (4 hours)			\$	120.00	HCMA	-	_
Benefits	\$		\$	4,780.00		\$	4,780.00
Park Planner	t		\$	420.00	НСМА	1	
Park Operations Manager	$t \rightarrow t$		\$	380.00	HCMA	1	
Graphic Designer	+		\$	3,780.00	HCMA		
Community Relations Specialist	+		\$	60.00	HCMA	+	
Medial Relations Specialist	t		\$	60.00	HCMA	1	
Webmaster	t		\$	80.00	HCMA		
Supplies & Materials	\$	2,600.00	\$	_		\$	2,600.00
Interpretive signs	\$	1,700.00	<u> </u> ₽			Ť	2,000.00
Fishing line disposal unit & pole holders	\$	100.00	+			+	
Silt fencing - materials and installation	\$	800.00					
	Ť						
Other Direct Expenses	\$	2,500.00	\$			\$	2,500.00
Permits and fees	\$	2,500.00				-	
Contract Services	\$	-	\$	-		\$	· ·
Indirect Costs (Administrative/Overhead)	\$		\$	2,550.00		\$	2,550.00
Project Oversight (40 hours)	F		\$	2,550.00	HCMA		
Engineering/Design Costs (Access only)	\$	-	\$	7,230.00		\$	7,230.00
Civil Engineer (120 hours)	T		\$	7,230.00	HCMA		
Facility Construction Costs (Access only)	\$	53,400.00	\$	-		\$	53,400.00
Fishing dock and gangway (EZ Dock)	\$	40,000.00	1				
Earthwork and grading	\$	3,000.00	$\top$				
Reinforced concrete walks- 6' width	\$	6,000.00					
Topsoil and Seed	\$	2,400.00	-				
Parking lot striping & handicap signs	\$	2,000.00					
				00.000.00			94 400 00
Totals	\$	58,500.00	\$	22,600.00		_	81,100.00

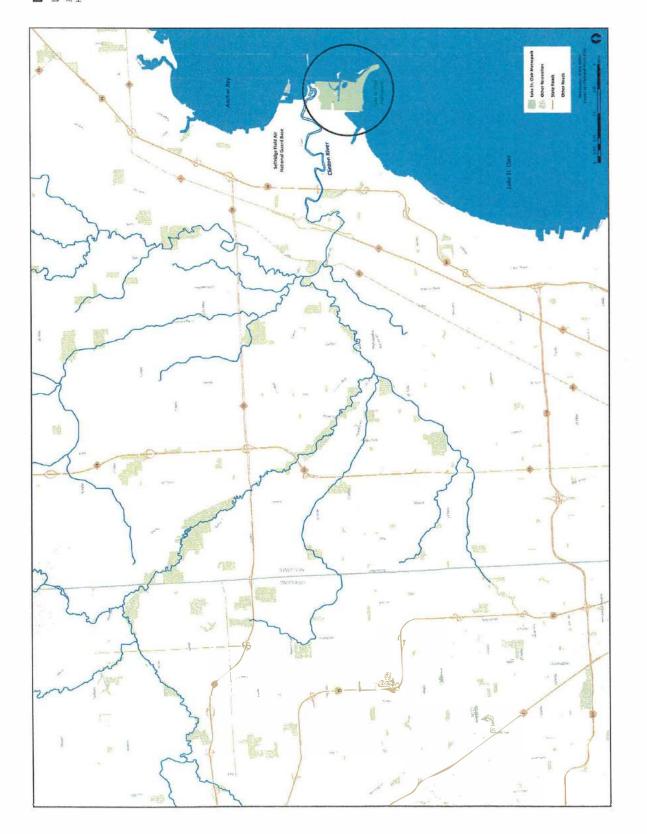
\$ 81,100.00

Total GLFT Grant Request	
	\$ 22,600.00
Total Project Cost	\$ 81,100.00

	Total Cost \$6,020.00	\$11,620.00	\$3,710.00	\$1,210.00	\$15,350.00	\$42,650.00	\$540.00
opark	Funds	\$1,700.00	\$2,500.00		\$14,200.00	\$40,100.00	\$58,500.00
Shore-Fishing Access - Lake St. Clair Metropark	Major outcomes and associated activities       Months         OUTCOME 1       Engineering design Finalize project design including       X       1       2       3       4       6       7       8       9       10       11       12         OUTCOME 1       Engineering design Finalize project design including       X       X       1       1       1       12       1       11       12       1       11       12       11       12       11       12       12       12       11       12       12       11       12       12       11       12       12       12       12       12       11       12       12       12       12       11       12       11       12	OUTCOME 2 Graphic design – Design of signage and brochures. x  x  x  x  x  x  x  x  x  x  x  x  x	OUTCOME 3 Permits Research, application, and receiving of x   x   x   x   x   x   x   x   x   x	OUTCOME 4 Bids Preparation, distribution, and approval of all x  x  x  x  x  x  x  x  x  x  x  x  x	OUTCOME 5 New Pathway and Associated Parking Pathway & associated Preparation, grading, cement, and restorative planting. activities: Parking lot striping and handicap signs. Deliverable(s): Completed cement pathway and designated handicap parking spaces.	OUTCOME 6 Fishing Platform Construction and installation of & associated fishing/observation platform, gangway, transition plate, activities: and fishing amenities. Deliverable(s): Fishing Access Sites	OUTCOME 7       Angler Education/Project Communication Signs         OUTCOME 7       Angler Education/Project Communication Signs         & associated       posted, brochures printed/distributed, photos taken, activities:         media communications.       media communications.         Deliverable(s):       Education flyer stocked at Nature Center and sent to various local groups. Signage installed on-site. Press releases sent. Social media updated.

6-C-1-b

LOCATION MAP Lake St. Clair Metropark 31300 Metro Parkway Harrison Charter Two, MI 48045



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## Join our email list to receive updates on parks and activities. Sign upat www.metroparks.com. STAY CONNECTED WITH US!

# VISIT YOUR METROPARKS

Delhi · Dexter-Huron • Hudson Mills • Huron Meadows • Indian Springs Kensington • Lake Erie - Lake St. Clair • Lower Huron • Oak woods Stony Creek • Willow • Wolkott Mill

For special accessibility needs, please contact the park or facility at least 72 hours in advance of your visit.

# METROPARKS SAFETY

Please report any accident or unsafe condition to a park employee.

- Wear personal protective equipment where required
- Dispose of hot coals in bins marked "Hot Coals" only. If not available (life Jacket, helmet, etc).
  - contact a park employee.
- Read and adhere to trail rules and regulations.

### DONATIONS

The Huron-Clinton Metroparks Foundation accepts financial gifts that enhance the Metroparks. For more information, call 800-47-PARKS.

# PROTECT AND PRESERVE YOUR METROPARKS

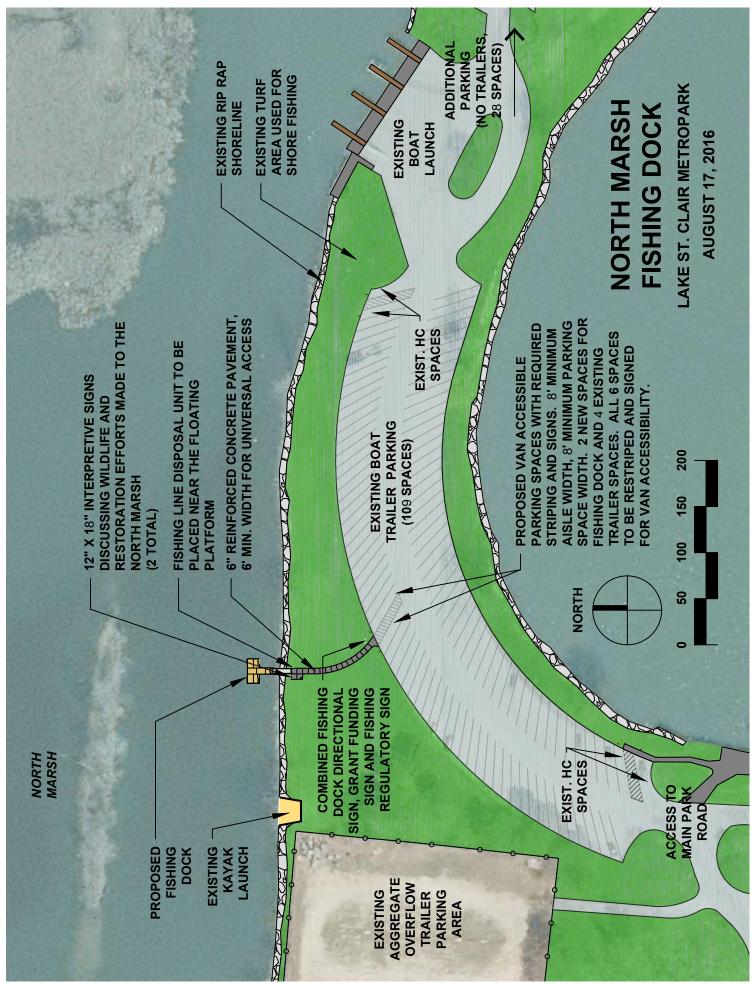
energy conservation, alternative energy systems, sustainable design, waste reduction, storm water besit pactices, resuerce conservation and protection, habitat resi oration, and environmental stewards hip education, Formore information, go to www.metroparks.com. stewardship. Sustainable practices are incorporated in the managefuture generations. Initiatives are underway in the following areas: ment, planning and redevelopment of facilities for the benefit of The Huron-Clinton Metroparks are committed to environmental



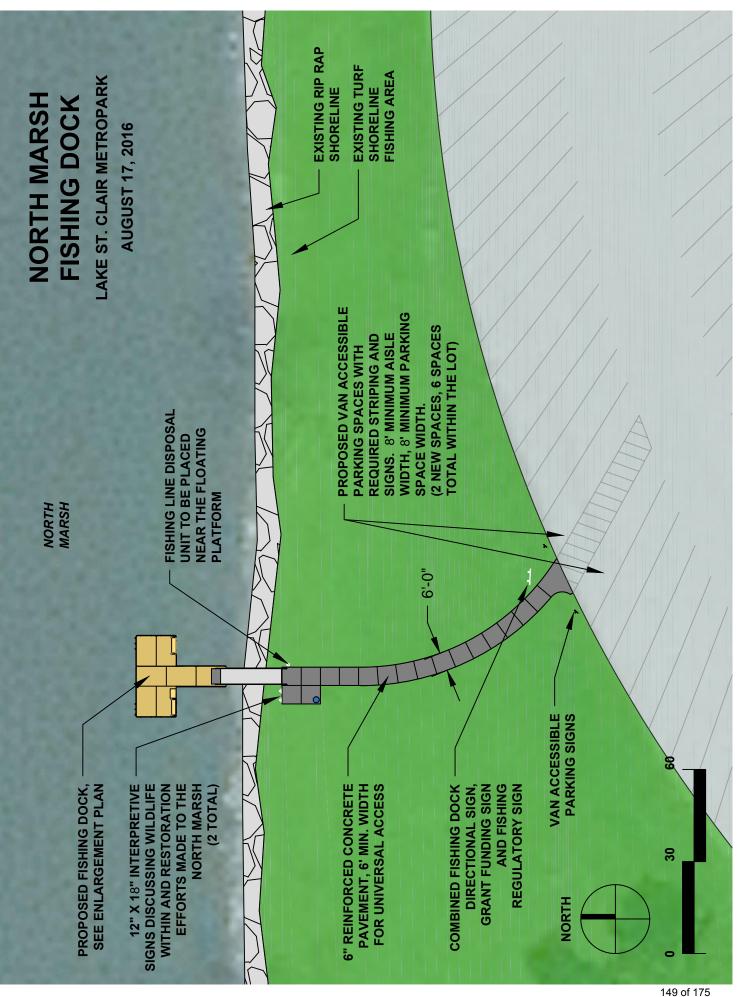
#### HURON-CLINTON METROPARKS 13000 High Ridge Drive, Brighton, MI 48114-9058 Phone or TTY: 810-227-2757 or 1-800-47-PARKS CONNECT WITH US! www.metroparks.com

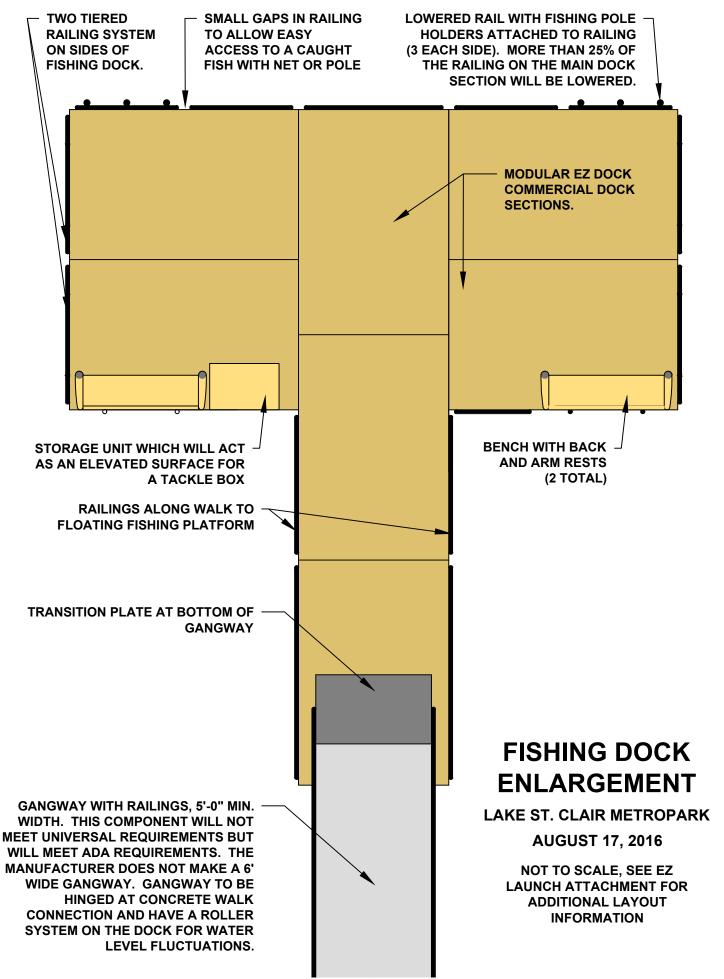
## Robert W. Navans Washlenaw County Timothy J McCarthy Governor Appointee

BOARD OF COMMISSIONERS John C Hertel John E LaBelle Harry E Lexter Governer Appointer Traingston County Woyne County STAFF OFFICERS George Philer DeputyDure for Anthony V Martacco Macomb County John P McCulloch Director

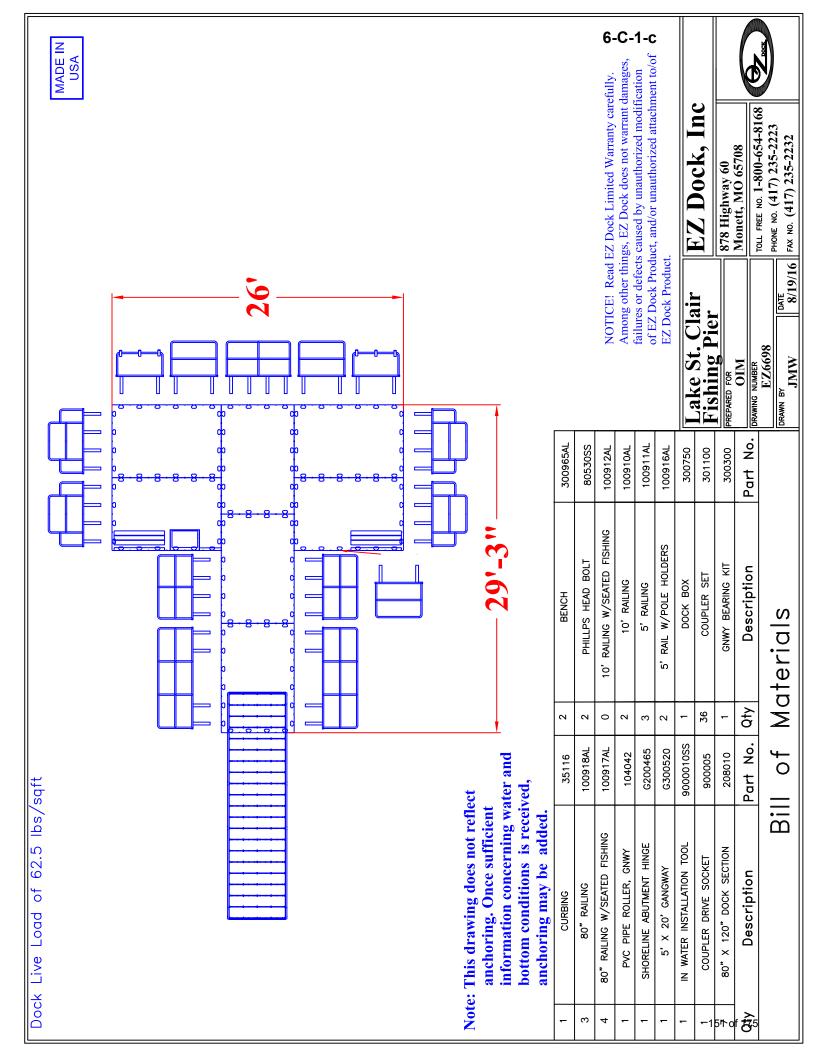


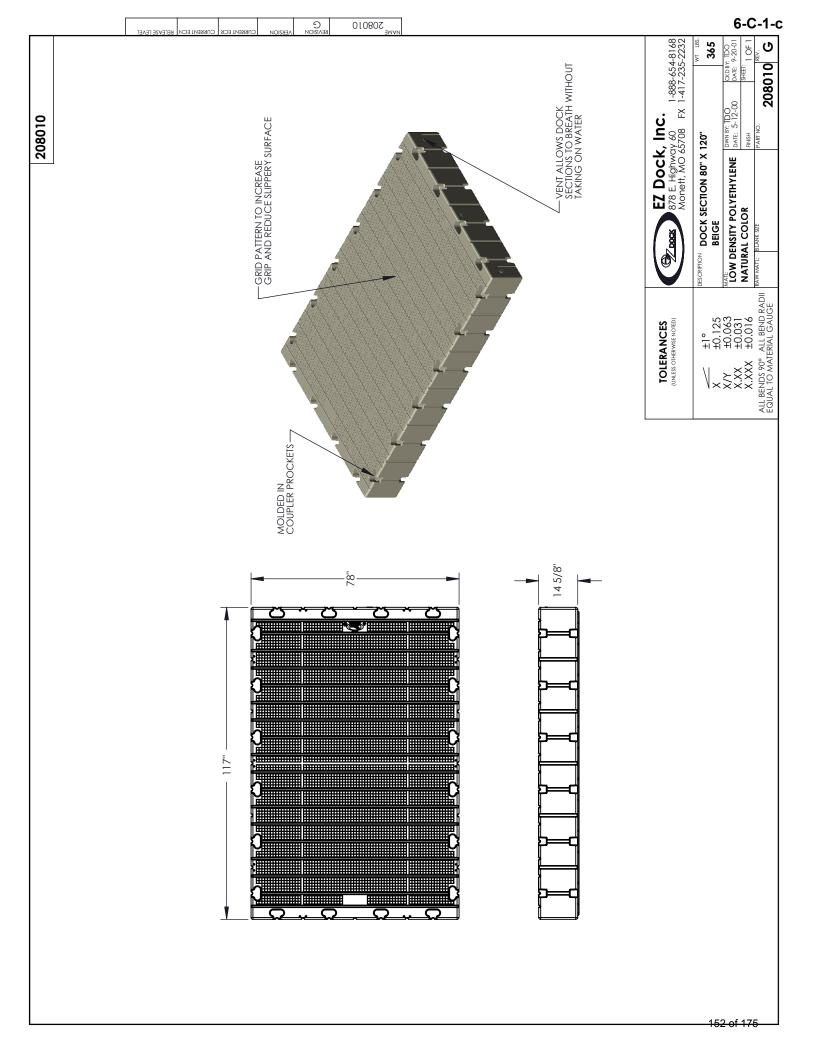
148 of 175





6-C-1-c





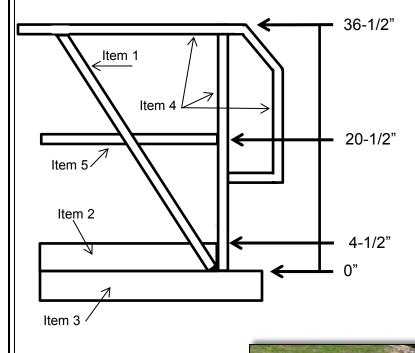


#### GREAT LAKES LIFT, INC. EZ DOCK OIM



#### **HEAVY DUTY GANGWAY WITH HANDRAILS** & THRU-FLOW DECKING





- (Shown with roller, ADA transition plate, and wear plate)
  - Standard lengths of 8', 12', 16', 20' and 24'
  - Custom lengths available to 30'
  - Standard widths of 3', 4' and 5'
  - ADA compliant transition plates available in standard widths of 3', 4' and 5'
  - 5' wide gangway allows for Universal Access
  - Overall width is 40", 52" and 64" to include handrails
  - Frames are all welded aluminum
  - Handrails are welded to the dock frame
  - Hinge kits can be attached at either end
  - Gangway weights (approx.):

0 /	0 11
5'x8'	200 pounds
5'x12'	300 pounds
5'x16'	400 pounds
5'x20'	500 pounds
5'x24'	600 pounds
5'x30'	750 pounds

- Item 1 1.42" Aluminum Square Tube
- Item 2 ¼" x 4" Aluminum Flat Stock
- Item 3 1 ¾" x 5" Aluminum Rectangle Tube Item 4 1 ¾" Aluminum Square Tube
- Item 5 1/4" x 2" Aluminum Flat Stock

GREAT LAKES LIFT, INC. / EZ DOCK OIM

info@greatlakeslift.com

Phone: 800-252-4448 ezdock@greatlakeslift.com

www.greatlakeslift.com Fax: 989-673-8844 1382 East Caro Road, Caro, MI 48723

Great Lakes Lift, Inc. / EZ Dock OIM reserves the right to change product specifications without notice.



#### GREAT LAKES LIFT, INC. EZ DOCK OIM



#### 60" ADA COMPLIANT HEAVY DUTY TRANSITION PLATE



#### TRANSITION PLATE SPECIFICATIONS

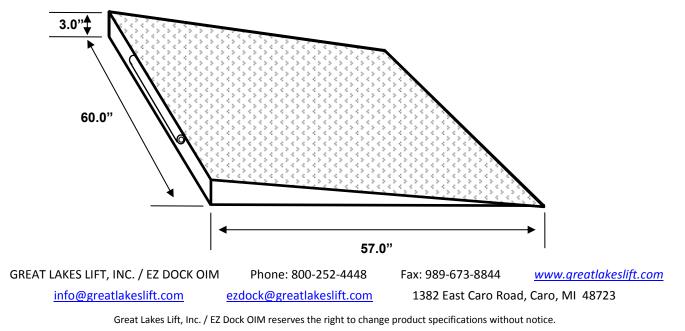
Length: 57" Width: 60" Height: 3"

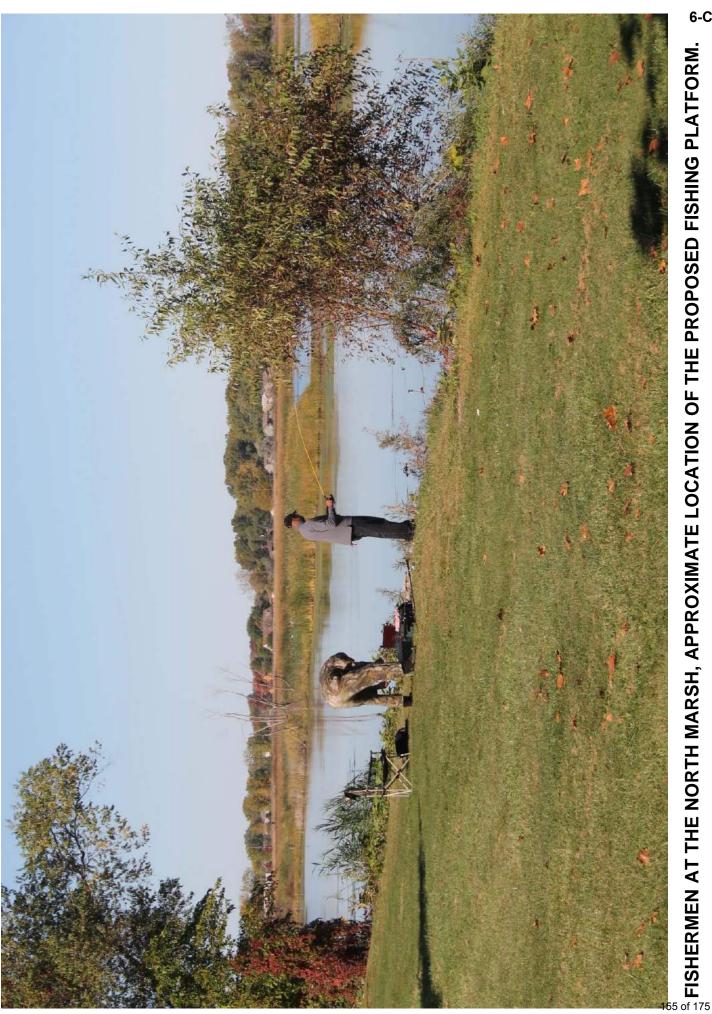
- All corners are welded and deburred
- Pipe used for hinge is 1.780" OD with 1.38" ID using a bar pin with end clips
- Approximate weight is 80 pounds

#### DOCK WEAR PLATE (not shown)

Length: 60" or 96" Width: 60"

- Fabricated from .188" Aluminum Diamond Plate
- Placed beneath the ramp roller\* and extends under the Transition Plate. \*See Gangway Roller Kit item #300300
- Secured with screws at the dock cleat mounting point.

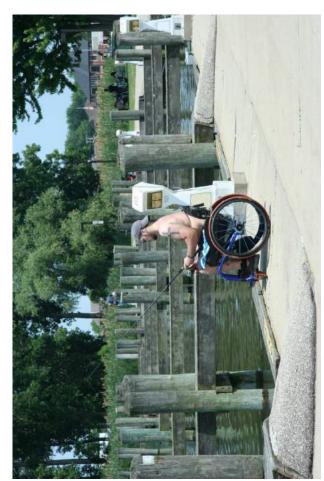






FISHING OFF THE EXISTING CONCRETE RIP RAP





FISHING BETWEEN FINGER PIERS ALONG THE BLACK CREEK (SOUTH MARINA)



SHORE FISHING ALONG THE BLACK CREEK

(BOAT LAUNCH AREA)



PROPOSED GANGWAY, HINGED AT TOP WITH TRANSITION PLATE AND ROLLERS AT BOTTOM FOR WATER FLUCTUATIONS.



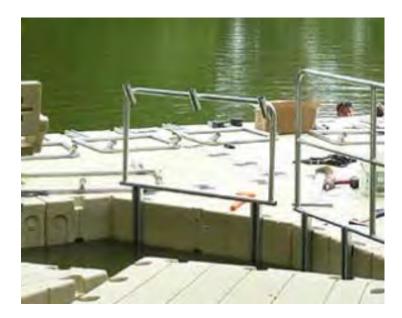
PROPOSED BENCH WITH BACK AND ARM RESTS.

6-C-1-c



A STORAGE UNIT SIMILAR TO THIS ONE WILL BE INSTALLED ADJACENT TO ONE OF THE BENCHES AND WILL PROVIDE AN ELEVATED SURFACE FOR A TACKLE BOX. A FISHING LINE DISPOSAL UNIT SIMILAR TO THIS ONE WILL BE INSTALLED NEAR THE FISHING DOCK.





ONE SECTION OF RAILING WILL HAVE 3 FISHING POLE HOLDERS SIMILAR TO WHAT IS SHOWN.

TWO 12" X 18" INTERPRETIVE SIGNS WILL BE INSTALLED ALONG THE WALK NEAR THE FISHING DOCK.



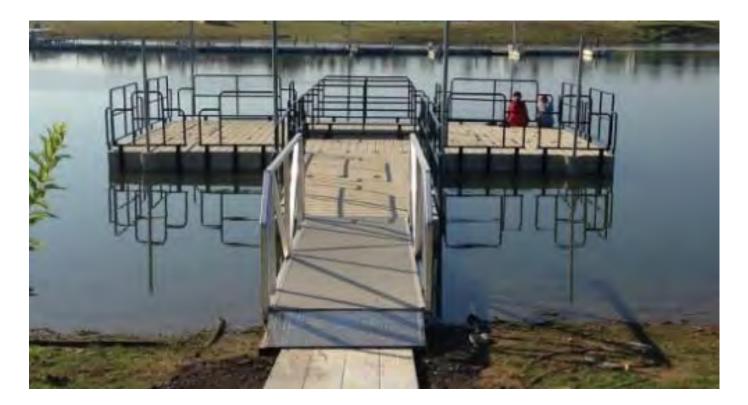
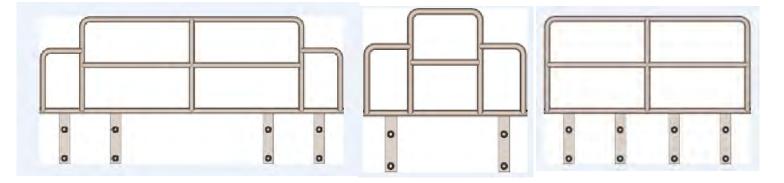


PHOTO SHOWING THE EZ DOCK STEPPED RAILING SYSTEM. A MINIMUM OF 25% OF THE RAILING ON THE FISHING PLATFORM WILL BE LOWERED FOR IMPROVED ACCESS TO THE WATER. SMALL GAPS BETWEEN RAILING SECTIONS WILL AID IN RETRIEVING A CAUGHT FISH.



PROFILE OF DIFFERENT RAILING SECTIONS. A MINIMUM OF 25% OF THE RAILING TO BE LOWERED ON THE DOCK.



Project title: Shore-Fishing Access - Lake St. Clair Metropark Project manager: Eric Ellis Budget name: Black Creek Improvements

Improvements Year <u>1</u> of <u>1</u> total years

					IV III	V		
			184	Matching		Total Project		
EXPENSE CATEGORY	G	LFT Funds		Funds	Source of Match	1	Cost	
Salaries	\$	-	\$	8,040.00		\$	8,040.00	
Park Planner (20 hours)			\$	790.00	HCMA			
Park Operations Manager (20 hours)			\$	770.00	HCMA			
Graphic Designer (180 hours)			\$	6,140.00	HCMA			
Community Relations Specialist (3 hours)			\$	100.00	HCMA			
Medial Relations Specialist (3 hours)			\$	120.00	HCMA			
Webmaster (4 hours)			\$	120.00	HCMA	-		
Benefits	\$	-	\$	4,780.00		\$	4,780.00	
Park Planner			\$	420.00	HCMA			
Park Operations Manager			\$	380.00	HCMA			
Graphic Designer			\$	3,780.00	HCMA			
Community Relations Specialist			\$	60.00	HCMA			
Medial Relations Specialist			\$	60.00	HCMA			
Webmaster			\$	80.00	HCMA			
Supplies & Materials	\$	2,600.00	\$	-		\$	2,600.00	
Interpretive signs	\$	1,700.00						
Fishing line disposal unit & pole holders	\$	100.00						
Silt fencing - materials and installation	\$	800.00				_		
Other Direct Expenses	\$	2,500.00	\$	-		\$	2,500.00	
Permits and fees	\$	2,500.00						
Contract Services	\$	-	\$	-		\$	-	
I Indirect Costs (Administrative/Overhead)	\$	-	\$	2,550.00		\$	2,550.00	
Project Oversight (40 hours)			\$	2,550.00	НСМА	-		
Engineering/Design Costs (Access only)	\$	-	\$	7,230.00		\$	7,230.00	
Civil Engineer (120 hours)			\$	7,230.00	HCMA	_		
Facility Construction Costs (Access only)	\$	53,400.00	\$	-		\$	53,400.00	
Fishing dock and gangway (EZ Dock)	\$	40,000.00						
Earthwork and grading	\$	3,000.00						
Reinforced concrete walks- 6' width	\$	6,000.00						
Topsoil and Seed	\$	2,400.00						
Parking lot striping & handicap signs	\$	2,000.00						
Totals	\$	58,500.00	\$	22,600.00		\$	81,100.00	

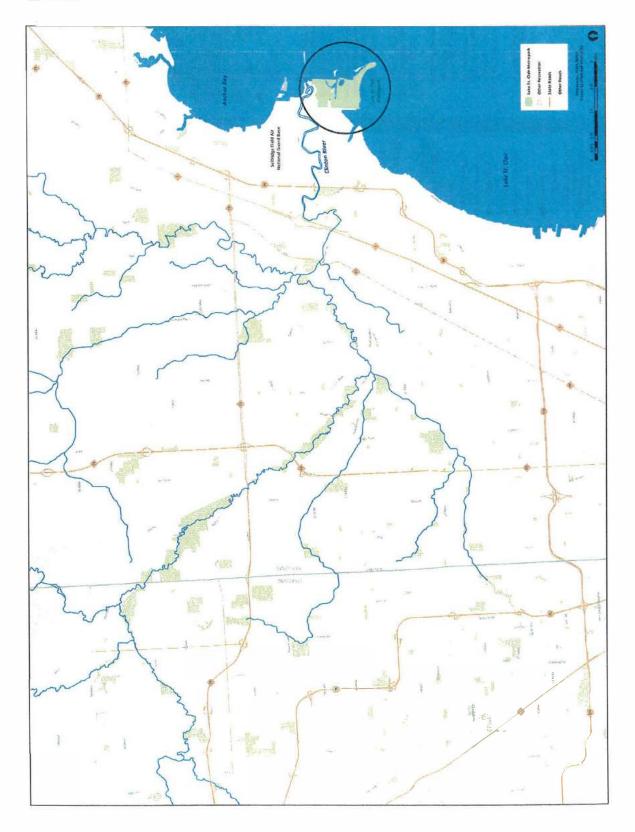
\$ 81,100.00

Total GLFT Grant Request	
Total Matching Funds	\$ 22,600.00
Total Project Cost	\$ 81,100.00

Total Cost \$6,020.00	\$11,620.00	\$3,710.00	\$1,210.00	\$15,350.00	\$42,650.00	\$540.00
opark Requested GLFT Funds	\$1,700.00	\$2,500.00		\$14,200.00	\$40,100.00	\$58,500.00
Shore-Fishing Access - Lake St. Clair Metropark         Major outcomes and associated activities         OUTCOME 1       Engineering design - Finalize project design including         & associated       fishing platform, cement path, handicap parking         activities:       designation.         Deliverable(s):       Deliverable(s):	bid. OUTCOME 2 Graphic design Design of signage and brochures.   x   x   x   x   x	OUTCOME 3 Permits Research, application, and receiving of x x x x x x x of x x x x x x x x x x	OUTCOME 4 Bids Preparation, distribution, and approval of all x x x x x x x x x x x x x x x x x x	OUTCOME 5 New Pathway and Associated Parking Pathway 6 k k k k k k k k k k k k k k k k k k	OUTCOME 6 Fishing Platform Construction and installation of a sesociated fishing/observation platform, gangway, transition plate, and fishing amenities. activities: and fishing amenities. Deliverable(s): Fishing Access Sites	OUTCOME 7       Angler Education/Project Communication Signs       x × x         & associated       posted, brochures printed/distributed, photos taken, activities:       x × x         Deliverable(s):       Education flyer stocked at Nature Center and sent to various local groups. Signage installed on-site. Press releases sent. Social media updated.       TOMALS:

6-C-1-d

LOCATION MAP Lake St. Clair Metropark 31300 Metro Parkway Harrison Charter Twp, MI 48045



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6-C-1-d



#### **PLANNING & ECONOMIC DEVELOPMENT**

1 South Main Street, 7th Floor ♦ Mount Clemens, Michigan 48043 Phone: (586) 469-5285 Fax: (586) 469-6787 www.ped.macombgov.org

> John Paul Rea, AICP Director

Mark A. Hackel County Executive

August 19, 2016

Mr. Eric Ellis, Natural Resources Manager Huron Clinton Metropolitan Authority 13000 High Ridge Drive Brighton, MI 48114-9058

Dear Mr. Ellis:

I am pleased to submit this letter of support for the Lake St. Clair Metropark, Great Lakes Fisheries Trust grant proposal.

We live in an area surrounded by water resources that are important to the health and well-being of our citizens. Recreational opportunities like those available through Lake St. Clair Metropark not only enhance our community, but also encourage families to get active and enjoy time in the outdoors.

The handicap accessible fishing pier proposed for the Metropark will provide an excellent recreational opportunity for all Macomb County residents. Even more so it will increase the ease and safety for anglers dealing with physical limitations. We look forward to seeing this beneficial fishing access completed.

Please keep us informed on the progress of this important project.

Respectfully,

John Paul Rea, AICP Director



#### STATE OF MICHIGAN

DEPARTMENT OF NATURAL RESOURCES

LANSING

GOVERNOR



August 19, 2016

Mr. Eric Ellis Manager of Natural Resources and Regulatory Compliance Huron-Clinton Metroparks 13000 High Ridge Dr. Brighton, MI 48114

SUBJECT: Great Lakes Fishery Trust Application Support Letter

Dear Mr. Ellis:

The Michigan DNR Fisheries Division strongly supports the public fishing access development project at Lake St. Clair Metropark. Shore fishing around Lake St. Clair is very popular. Although there is a high level of interest in fishing, there are limited opportunities where shore anglers can safely access the lake or canals connected to the lake. Any development of a designated platform would be welcomed by anglers.

The proposed fishing platform development at Lake St. Clair Metropark will enable safe access to the Black Creek Canal Complex connected to Lake St. Clair.

Given the popularity of the fishing in southeast Michigan, and the limited access that exists for shore anglers on the Lake St. Clair, I am confident that this will become one of the more popular shore fishing sites on Lake St. Clair.

Lake St. Clair supports a very diverse fish community and a robust fishery that includes many sought after sportfish like yellow perch, smallmouth bass, walleye, northern pike, and bluegill. Many of these species are seasonally available at the location for this project. This project would not only benefit shore anglers but also ice fishing anglers that often target this area when ice conditions are fair. The implementation of this project would be a valuable improvement for access to the shore fishery of Lake St. Clair.

Sincerely,

lley- Harris

Cleyo Harris Fisheries Biologist MDNR Fisheries Division 7806 Gale Rd Waterford, MI 48327

#### Resolution Huron-Clinton Metropolitan Authority Great Lakes Fishery Grant

Upon motion made by Commissioner \_\_\_\_\_ and supported by Commissioner \_\_\_\_\_, the following resolution was approved:

Resolved, that the <u>Huron-Clinton Metropolitan Authority</u>, a Michigan organization, does hereby accept the terms of the Project Agreement as received from the Great Lake Fishery Trust, and that the <u>Huron-Clinton Metropolitan Authority</u> does hereby specifically agree, but not by way of limitation, as follows:

- 1. To authorize the sum of twenty two thousand six hundred (\$22,600) dollars toward construction and related costs to complete the project according to the Project Agreement with the TRUST,
- 2. To maintain satisfactory financial accounts, documents, and records and to make them available to the TRUST for auditing at reasonable times.
- 3. To construct the project and provide such funds, services, and materials as may be necessary to satisfy the foregoing portions of this Resolution.

The following aye votes were recorded: \_\_\_\_\_

The following nay votes were recorded: \_\_\_\_\_

STATE OF MICHIGAN ) ) ss County of \_\_\_\_\_ )

I, <u>George Phifer</u>, director of the <u>Huron-Clinton Metropolitan Authority</u>, Michigan, do hereby certify that the above is a true and correct copy of the Resolution relative to the Agreement with the Great Lakes Fishery Trust, which Resolution as adopted by the <u>Huron-Clinton Metropolitan Authority Board of Commissioners</u> at a meeting held on <u>January 12, 2017</u>.

Signature George Phifer, Director January 12, 2017

	М	ONTHLY VEH	ICLE ENTRIES		
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average	
Lake St Clair	12,575	11,355	11,929	5%	
Wolcott Mill	2,948	5,185	3,588	-18%	
Stony Creek	14,392	15,264	14,582	-1%	
Indian Springs	2,480	2,273	2,353	5%	
Kensington	30,186	34,178	32,316	-7%	
Huron Meadows	4,406	2,529	2,951	49%	
Hudson Mills	6,437	7,678	6,988	-8%	
Lower Huron / Willow / Oakwoods	44,999	21,495	23,625	90%	
Lake Erie	5,552	6,100	5,556	0%	
Monthly TOTALS	123,975	106,057	103,888	19%	

MONTHLY TOLL REVENUE										
Current		Previous	Prev 3 Yr Avg		Change from Average					
\$ 34,747	\$	28,070	\$	26,576	31%					
\$ 567	\$	315								
\$ 82,301	\$	89,458	\$	73,781	12%					
\$ 8,947	\$	8,397	\$	7,727	16%					
\$ 81,411	\$	70,995	\$	62,084	31%					
\$ 9,473	\$	238	\$	2,087	354%					
\$ 23,583	\$	19,330	\$	17,670	33%					
\$ 40,522	\$	24,066	\$	21,276	90%					
\$ 21,168	\$	21,021	\$	19,071	11%					
\$ 302,719	\$	261,890	\$	230,272	31%					

	Y-T-D VEHICLE ENTRIES								
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average					
Lake St Clair	393,781	390,781	386,623	2%					
Wolcott Mill	67,678	66,351	55,090	23%					
Stony Creek	546,731	530,902	526,166	4%					
Indian Springs	93,472	83,835	86,448	8%					
Kensington	772,022	799,033	760,111	2%					
Huron Meadows	100,356	93,548	89,421	12%					
Hudson Mills	209,256	208,044	213,255	-2%					
Lower Huron / Willow / Oakwoods	565,626	516,684	511,387	11%					
Lake Erie	198,963	181,679	172,988	15%					
Monthly TOTALS	2,947,885	2,870,857	2,801,490	5%					

Y-T-D TOLL REVENUE										
Current		Previous	Р	rev 3 Yr Avg	Change from Average					
\$ 1,580,960	\$	1,290,616	\$	1,159,719	36%					
\$ 8,853	\$	2,304								
\$ 2,392,492	\$	1,911,382	\$	1,739,804	38%					
\$ 307,763	\$	249,664	\$	231,240	33%					
\$ 2,498,989	\$	1,978,934	\$	1,725,674	45%					
\$ 91,006	\$	82,678	\$	72,455	26%					
\$ 539,050	\$	461,984	\$	427,471	26%					
\$ 1,124,084	\$	876,575	\$	801,743	40%					
\$ 615,120	\$	513,085	\$	468,990	31%					
\$ 9,158,317	\$	7,367,222	\$	6,627,095	38%					

		MONTHLY PARK REVENUE							
PARK	Current		Previous		Prev 3 Yr Avg		Change from Average		
Lake St Clair	\$	42,749	\$	44,555	\$	34,954	22%		
Wolcott Mill	\$	39,966	\$	19,624	\$	19,599	104%		
Stony Creek	\$	96,641	\$	102,310	\$	83,849	15%		
Indian Springs	\$	15,980	\$	16,643	\$	13,791	16%		
Kensington	\$	145,128	\$	142,321	\$	117,645	23%		
Huron Meadows	\$	14,605	\$	364	\$	4,771	206%		
Hudson Mills	\$	26,653	\$	28,750	\$	24,854	7%		
Lower Huron / Willow / Oakwoods	\$	42,860	\$	25,868	\$	22,905	87%		
Lake Erie	\$	30,241	\$	29,233	\$	23,007	31%		
Y-T-D TOTALS	\$	454,822	\$	409,668	\$	345,374	32%		

	Y-T-D Vehicle Entries by Management Unit								
District	Current	Previous	Prev 3 Yr Avg	Change from Average					
Eastern	1,008,190	988,034	967,879	4%					
Western	1,175,106	1,184,460	1,149,236	2%					
Southern	764,589	698,363	684,375	12%					

		Y-T-D PARK	RE	VENUE	
Current	Previous			Prev 3 Yr Avg	Change from Average
\$ 2,284,498	\$	2,034,296	\$	1,738,972	31%
\$ 629,067	\$	510,786	\$	526,043	20%
\$ 4,107,972	\$	3,532,119	\$	3,257,921	26%
\$ 1,159,289	\$	1,060,848	\$	971,844	19%
\$ 4,525,605	\$	3,966,003	\$	3,463,300	31%
\$ 917,608	\$	852,405	\$	766,899	20%
\$ 1,082,908	\$	1,050,821	\$	955,937	13%
\$ 3,064,015	\$	2,634,498	\$	2,437,974	26%
\$ 1,779,767	\$	1,623,945	\$	1,512,170	18%
\$ 19,550,728	\$	17,265,721	\$	15,631,061	25%

Y-T-D Total Revenue by Management Unit											
Current	Previous	Prev 3 Yr Avg	Change from Average								
7,021,537	6,077,201	5,522,936	27%								
7,685,410	6,930,077	6,157,980	25%								
4,843,782	4,258,443	3,950,145	23%								

#### HURON-CLINTON METROPARKS MONTHLY STATISTICS

		MONTHLY	ROUNDS					MONTHLY I	REVE	NUE	
GOLF THIS MONTH	Current	Previous	Prev 3 Yr Avg	Change from Average		Current		Previous	Pr	ev 3 Yr Avg	Change from Average
Wolcott Mill	0	0	0	Average -	\$	-	\$	-	\$	-	- Average
Stony Creek	0	0	0	-	\$	-	\$	-	\$	75	-
Indian Springs	0	0	0	-	\$	_	\$	-	\$	-	-
Kensington	0	0	0	-	\$	-	\$	-	\$	-	_
Huron Meadows	0	0	0	-	\$	-	\$	-	\$	-	_
Hudson Mills	0	0	0	-	\$		\$		\$		
Willow	0	0	0	_	\$		\$		\$		_
Lake Erie	0	95	32	-	\$		\$	3,811	\$	1,270	
Total Regulation	0	95	32	-	\$		\$	3,811	\$	1,345	_
LSC Par 3	0	0	0		\$		\$	5,011	\$	2	_
LSC Foot Golf	0	0	0	-	۰ \$	-	\$	-	۰ \$	-	
L. Huron Par 3	0	0	0	-	۵ \$		\$	-	۶ \$	-	-
		-		-		-		-		-	-
L. Huron Foot Golf	0	0 <b>95</b>	0 32	-	\$	-	\$	-	\$	-	-
Total Golf	0			-	\$	-	\$	3,811	\$	1,347	-
GOLF Y-T-D		GOLF ROU		Change from			1	GOLF REVE			Change fror
	Current	Previous	Prev 3 Yr Avg	Average		Current		Previous	Pr	ev 3 Yr Avg	Average
Wolcott Mill	14,712	14,473	14,177	4%	\$	393,777	\$	337,412	\$	294,336	34%
Stony Creek	29,948	29,910	31,388	-5%	\$	958,622	\$	905,475	\$	833,108	15%
Indian Springs	23,434	24,346	23,501	0%	\$	698,941	\$	573,676	\$	554,906	26%
Kensington	30,155	30,473	29,163	3%	\$	924,501	\$	715,503	\$	690,683	34%
Huron Meadows	25,806	26,363	23,805	8%	\$	698,022	\$	644,133	\$	599,875	16%
Hudson Mills	15,686	17,498	16,150	-3%	\$	321,525	\$	338,861	\$	315,482	2%
Willow	25,504	23,747	20,815	23%	\$	701,238	\$	619,677	\$	581,010	21%
Lake Erie	25,282	24,795	22,038	15%	\$	657,977	\$	491,243	\$	460,787	43%
Total Regulation	190,527	191,605	181,038	5%	\$	5,354,603	\$	4,625,980	\$	4,330,187	24%
LSC Par 3	7,975	7,665	8,909	-10%	\$	46,592	\$	55,722	\$	56,949	-18%
LSC Foot Golf	1,063	1,373	458	132%	\$	9,094	\$	8,899	\$	2,966	207%
L. Huron Par 3	4,181	4,609	5,252	-20%	\$	28,486	\$	30,469	\$	33,742	-16%
L. Huron Foot Golf	806	610	203	296%	\$	4,911	\$	3,862	\$	1,287	281%
Total Golf	204,552	205,862	195,860	4%	\$	5,443,686	\$	4,724,932	\$	4,425,132	23%
		PATRONS T						MONTHLY	REVE		
AQUATICS THIS MONTH	Current	Previous	Prev 3 Yr Avg	Change from		Current		Previous		rev 3 Yr Avg	Change from
Laka Ch Chair			Ũ	Average	¢	Current		TTEVIOUS		Ū.	Average
Lake St. Clair	0	0	0	-	\$	-	\$	-	\$	0	-
Stony Creek Rip Slide	0	0	0	-	\$	-	\$	-	\$	-	-
KMP Splash	0	0	0	-	\$	-	\$	2,080	\$	693	-
Hudson Mills Rip Slide	0	0	0	-	\$	-	\$	-	\$	-	-
Lower Huron	0	0	0	-	\$	-	\$	-	\$	-	-
Willow	0	0	0	-	\$	-	\$	-	\$	-	-
Lake Erie	0	0	0	-	\$	-	\$	-	\$	37	-
TOTALS	0	0	0	-	\$	-	\$	2,080	\$	731	-
AQUATICS Y-T-D		PATRON	IS Y-T-D				1	REVENU	E Y-T	-D	
AQUATICS 1-1-D	Current	Previous	Prev 3 Yr Avg	Change from Average		Current		Previous	Р	rev 3 Yr Avg	Change from Average
Lake St. Clair	50,880	56,318	45,020	13%	\$	256,818	\$	224,495	\$	179,295	43%
Stony Creek Rip Slide	34,828	26,374	37,359	-7%	\$	182,464	\$	139,497	\$	113,671	61%
5	46,678	46,207	45,414	3%	\$	274,210	\$	252,780	\$	215,349	27%
KMP Splash				80%	\$	20,392	\$	33,736	\$	11,245	81%
KMP Splash Hudson Mills Rip Slide	2.857	4,762	1,587				1 T		1 T	,	1
Hudson Mills Rip Slide	2,857 97.033	4,762 96.069	1,587 92,228				\$	918.579	\$	838.676	14%
Hudson Mills Rip Slide Lower Huron	97,033	96,069	92,228	5%	\$	958,957	\$ \$	918,579 98,888	\$ \$	838,676 87,454	14% 22%
Hudson Mills Rip Slide							\$ \$ \$	918,579 98,888 216,900	\$ \$ \$	838,676 87,454 194,306	14% 22% 46%

		Seasonal Activi	ities this Month		Monthly Revenue					le	
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average		Current	F	Previous	Pr	ev 3 Yr Avg	Change from Average
Lake St. Clair			1	1							
Welsh Center	3	2	3	13%	\$	1,900	\$	-	\$	-	-
Shelters	2	0	0	-	\$	400	\$	1,825	\$	1,575	-75%
Boat Launches	1	13	5	-79%	\$	-	\$	-	\$	-	-
Marina	0	0	0	-	\$	-	\$	-	\$	-	-
Mini-Golf	0	0	0	-	\$	-	\$	-	\$	-	-
Wolcott											
Activity Center	8	11	10	-17%	\$	500	\$	-	\$	658	-24%
Stony Creek											
Disc Golf Daily	0	0	1	-	\$	-	\$	-	\$	2	-
Disc Golf Annual	5	1	1	650%	\$	275	\$	50	\$	33	725%
Total Disc Golf	5	1	2	200%	\$	275	\$	50	\$	36	671%
Shelters	4	8	6	-33%	\$	900	\$	1,800	\$	1,133	-21%
Boat Rental	0	0	0	-	\$	-	\$	-	\$	-	-
Boat Launches	0	0	1	-	\$	-	\$	-	\$	-	-
Indian Springs											
Shelters	0	0	0	-	\$	-	\$	-	\$	67	-
Event Room	4	6	4	0%	\$	3,100	\$	7,400	\$	4,367	-29%
Kensington									<u> </u>		
Disc Golf Daily	0	176	69	-	\$	-	\$	30	\$	23	-
Disc Golf Annual	0	2	4	-	\$	-	\$	110	\$	180	-
Total Disc Golf	0	178	72	-	\$	-	\$	140	\$	203	-
Shelters	5	19	16	-68%	\$	1,125	\$	4,200	\$	3,467	-68%
Boat Rental	0	0	0	-	\$	-	\$	-	\$	-	-
Huron Meadows											
Shelters	0	0	0	-	\$	-	\$	-	\$	-	-
Hudson Mills											1
Disc Golf Daily	59	317	304	-81%	\$	177	\$	951	\$	713	-75%
Disc Golf Annual	10	15	13	-21%	\$	510	\$	785	\$	645	-21%
Total Disc Golf	69	332	316	-78%	\$	687	\$	1,736	\$	1,358	-49%
Shelters	1	3	2	-57%	\$	200	\$	600	\$	467	-57%
Canoe Rental	0	0	0	-	\$	-	\$	4,169	\$	1,423	-
Lower Huron / Willow / Oakv	woods										
Shelters	5	4	3	50%	\$	1,100	\$	800	\$	683	61%
Lake Erie	•		ı				1				
Shelters	3	3	3	-10%	\$	600	\$	600	\$	600	0%
Boat Launches	100	307	205	-51%	\$	-	\$	-	\$	-	-
Marina	0	0	0	-	\$	-	\$	2,187	\$	729	-

		Seasonal Act	ivities Y-T-D		Seasonal Revenue Y-T-D					/-T-D		
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average		C	Current		Previous	Pre	ev 3 Yr Avg	Change from Average
Lake St. Clair	-									1		1
Welsh Center	31	61	57	-45%	\$		25,575	\$	35,350	\$	22,417	14%
Shelters	265	493	433	-39%	\$		68,645	\$	72,864	\$	73,928	-7%
Boat Launches	5,300	5,679	6,086	-13%		\$	-	\$	-	\$	-	-
Marina	3,081	3,285	3,123	-1%	\$		26,649	\$	21,874	\$	24,085	11%
Mini-Golf	7,990	10,058	9,868	-19%	\$		28,954	\$	35,727	\$	35,077	-17%
Wolcott Mill												
Activity Center	117	114	108	8%	\$		16,850	\$	18,100	\$	17,747	-5%
Stony Creek	_											
Disc Golf Daily	15,135	18,131	20,739	-27%	\$		45,486	\$	59,430	\$	47,116	-3%
Disc Annual	138	106	83	66%	\$		7,230	\$	4,760	\$	3,640	99%
Total Disc Golf	15,273	18,237	20,822	-27%	\$		52,716	\$	64,190	\$	50,756	4%
Shelters	404	387	417	-3%	\$		85,085	\$	78,500	\$	81,880	4%
Boat Rental	17,189	16,752	16,181	6%	\$		183,197	\$	176,389	\$	149,058	23%
Boat Launches	793	1,902	1,854	-57%		\$	-	\$	-	\$	-	-
Indian Springs												
Shelters	55	62	58	-6%	\$		7,050	\$	7,100	\$	8,567	-18%
Event Room	59	56	52	13%	\$		109,468	\$	72,458	\$	72,120	52%
Kensington												
Disc Golf Daily	22,759	23,404	28,031	-19%	\$		68,277	\$	69,205	\$	63,521	7%
Disc Annual	201	207	144	39%	\$		10,735	\$	7,006	\$	5,791	85%
Total Disc Golf	22,960	23,611	28,175	-19%	\$		79,012	\$	76,211	\$	69,311	14%
Shelters	403	501	481	-16%	\$		104,060	\$	112,750	\$	105,240	-1%
Boat Rental	18,792	23,055	18,975	-1%	\$		237,767	\$	244,196	\$	214,089	11%
Huron Meadows												
Shelters	26	25	21	22%	\$		5,200	\$	5,000	\$	4,267	22%
Hudson Mills												
Disc Golf Daily	9,201	10,592	12,139	-24%	\$		27,603	\$	31,776	\$	27,809	-1%
Disc Annual	130	178	146	-11%	\$		6,910	\$	9,510	\$	7,233	-4%
Total Disc Golf	9,331	10,770	12,285	-24%	\$		34,513	\$	41,286	\$	35,043	-2%
Shelters	104	106	121	-14%	\$		20,800	\$	21,200	\$	24,283	-14%
Canoe Rental	6,421	5,624	5,871	9%	\$		28,042	\$	29,185	\$	27,242	3%
Lower Huron / Willow / Oakwoo	ods	L										
Shelters	329	294	334	-1%	\$		71,725	\$	64,050	\$	71,825	0%
Lake Erie												
Shelters	77	74	83	-7%	\$		17,200	\$	15,900	\$	16,917	2%
Boat Launches	15,954	13,752	13,935	14%		\$	-	\$	-	\$	-	-
Marina	174	70	77	125%	\$		178,305	\$	160,813	\$	167,510	6%

	Cross Country Ski Rental this Month									
PARK	Current		Previous		Pre	v 3 Yr Avg	Change from Average			
Stony Creek	\$	1,259	\$	-	\$	790	59%			
Kensington	\$	1,554	\$	-	\$	1,011	54%			
Huron Meadows	\$	4,880	\$	-	\$	2,571	90%			
Hudson Mills	\$	966	\$	-	\$	302	220%			

Cross Country Ski Rental Y-T-D												
Current		Previous	Pr	ev 3 Yr Avg	Change from Average							
\$ 1,259	\$	11,583	\$	13,971	59%							
\$ 1,554	\$	17,774	\$	19,446	-92%							
\$ 22,273	\$	22,155	\$	21,881	2%							
\$ 2,635	\$	6,410	\$	7,636	-65%							

		Winter Sport	s this Month				Winter Spor	ts Y-T-D	
PARK	Current	Previous	Prev 3 Yr Avg	Change from Average	Curren	t	Previous	Prev 3 Yr Avg	Chan Ave
Lake St. Clair	-								
XC Skiers	4	0	2	71%		10	33	63	-84
Ice Skaters	0	0	44	-		55	385	447	-88
Sledders	0	0	0	-		129	582	369	-65
Ice Fishermen	107	0	257	-58%	1,	599	4,708	6,170	-74
Stony Creek									
XC Skiers	607	0	175	247%		722	3,103	3,213	-78
Ice Skaters	0	0	0	-		0	1,074	713	-
Sledders	1,480	0	520	185%	2,	735	5,850	6,128	-55
Ice Fishermen	0	0	30	-		241	731	801	-70
Indian Springs									
XC Skiers	76	0	9	777%		144	227	261	-459
Sledders	153	0	0	-		440	352	363	21%
Kensington									
XC Skiers	117	0	188	-38%		681	3,361	3,368	-809
Ice Skaters	0	0	0	-		0	1,161	976	-
Sledders	525	0	0	-	3,	139	5,332	5,332	-419
Ice Fishermen	20	0	65	-69%		102	296	1,093	-919
Huron Meadows									
XC Skiers	840	0	508	65%	4,	365	5,160	6,204	-309
Ice Fishermen	0	0	0	-		0	203	312	-
Hudson Mills									
XC Skiers	372	0	77	385%		569	1,565	1,840	-640
Lower Huron									
Ice Skaters	0	0	4	-		35	1,201	670	-95%
Willow	•								
XC Skiers	34	0	11	209%		44	14	254	-839
Sledders	1,652	0	73	2173%	1,	732	2,524	2,411	-289
Ice Fishing	41	0	1	2975%		52	170	132	-619
Lake Erie	•								
XC Skiers	25	0	2	1150%		27	105	57	-539
Sledders	41	0	12	251%		94	278	167	-449
Ice Fishing	254	0	0	-		512	1,667	1,197	-49

#### INTERPRETIVE FACILITIES

		Monthly Patr	ons Served	
PARK	(total prog	ram participants	and non-program	visitors)
	Current	Previous	Prev 3 Yr Avg	Change from Average
Lake St Clair	2,881	2,755	3,306	-13%
Wolcott Mill	7,973	7,025	6,928	15%
Wolcott Farm	2,389	2,106	2,136	12%
Stony Creek	10,352	9,860	9,677	7%
Eastern Mobile Center	152	0	152	0%
Indian Springs	3,421	2,720	3,343	2%
Kens NC	11,299	12,926	12,553	-10%
Kens Farm	8,006	5,954	7,229	11%
Western Mobile Center	678	920	672	1%
Hudson Mills	2,839	2,875	2,796	2%
Oakwoods	10,861	13,022	11,802	-8%
Lake Erie	7,547	6,333	8,395	-10%
Southern Mobile Center	549	0	549	0%
Totals	68,947	66,496	69,538	-1%

	YTD Patrons Served											
(total pro	ogram participants a	and non-program visi	tors)									
Current	Previous	Prev 3 Yr Avg	Change from Average									
144,685	126,266	131,830	10%									
53,692	51,711	54,047	-1%									
80,363	100,244	94,652	-15%									
200,496	172,101	175,290	14%									
9,526	0	9,526	0%									
85,122	88,950	91,115	-7%									
280,085	269,851	269,126	4%									
283,323	294,185	287,776	-2%									
14,566	36,493	24,619	-41%									
39,640	47,644	45,043	-12%									
161,587	150,630	155,725	4%									
108,626	74,627	112,759	-4%									
8,830	0	8,830	0%									
1,470,541	1,412,702	1,460,338	1%									

PARK	Monthly Revenue									
17AAA	(	Current	F	Previous		ev 3 Yr Avg	Change from			
Lake St Clair	\$	772	\$	533	\$	244	216%			
Wolcott Mill	\$	16,855	\$	9,805	\$	8,264	104%			
Wolcott Farm	\$	354	\$	524	\$	369	-4%			
Wagon Rides	\$	-	\$	66	\$	22	-			
Livestock/Produce	\$	18,371	\$	9,229	\$	9,226	<b>99</b> %			
FARM TOTAL	\$	18,725	\$	9,819	\$	9,616	95%			
Stony Creek	\$	1,713	\$	753	\$	606	183%			
Indian Springs	\$	827	\$	723	\$	1,177	-30%			
Kens NC	\$	1,096	\$	1,399	\$	1,153	-5%			
Kens Farm	\$	4,043	\$	1,660	\$	1,039	289%			
Wagon Rides	\$	3,752	\$	416	\$	925	306%			
Livestock/Produce	\$	291	\$	110	\$	89	228%			
FARM TOTAL	\$	8,085	\$	2,186	\$	2,052	294%			
Mobile Center	\$	1,688	\$	1,575	\$	1,309	29%			
Hudson Mills	\$	682	\$	1,369	\$	1,103	-38%			
Oakwoods	\$	914	\$	1,002	\$	945	-3%			
Lake Erie	\$	247	\$	367	\$	467	-47%			
Totals	\$	51,604	\$	29,531	\$	26,938	92%			

	YTD Revenue									
Current		Previous		Prev 3 Yr Avg		Change from				
\$	27,450	\$	26,765	\$	21,594	27%				
\$	30,852	\$	24,605	\$	20,378	51%				
\$	61,557	\$	55,844	\$	53,712	15%				
\$	12,130	\$	6,424	\$	10,236	19%				
\$	55,053	\$	68,401	\$	77,431	-29%				
\$	128,740	\$	130,669	\$	141,379	-9%				
\$	28,882	\$	27,414	\$	27,389	5%				
\$	35,040	\$	35,071	\$	39,113	-10%				
\$	28,418	\$	25,385	\$	25,915	10%				
\$	94,421	\$	54,314	\$	49,965	89%				
\$	44,073	\$	28,662	\$	32,040	38%				
\$	15,505	\$	21,834	\$	19,518	-21%				
\$	153,998	\$	104,810	\$	101,523	52%				
\$	24,865	\$	21,844	\$	21,190	17%				
\$	771	\$	15,220	\$	15,158	-95%				
\$	18,498	\$	22,398	\$	22,238	-17%				
\$	10,293	\$	11,694	\$	10,022	3%				
\$	487,807	\$	445,875	\$	445,900	9%				

	ON-SITE Programs and Attendance						
BREAKDOWN OF ATTENDANCE	CURRENT	YEAR	PREVIOUS YEAR				
	Programs	Attendance	Programs	Attendance			
Lake St Clair	9	342	16	490			
Wolcott Mill	6	3,371	6	1,931			
Wolcott Farm	10	362	8	463			
Stony Creek	12	590	4	173			
Eastern Mobile Center							
Indian Springs	20	904	18	649			
Kens NC	9	286	18	470			
Kens Farm	26	782	58	824			
Western Mobile Center							
Hudson Mills	5	213	3	200			
Oakwoods	14	361	15	280			
Lake Erie	8	192	8	161			
Southern Mobile Center							
Totals	119	7,403	154	5,641			
BREAKDOWN OF ATTENDANCE	OTHER VIS (Non-prog						
	Current	Previous	"ON-SITE" - Sta				
Lake St Clair	2,539	2,265	programs offere				
Wolcott Mill	4,602	5,094					
Wolcott Farm	1,827	1,143	"OFF-SITE" - S events such as				
Stony Creek	9,700	9,597					
Indian Springs	2,253	2,037					
Kens NC	10,755	12,057		OTHER VISITO			

7,224

2,500

10,500

7,355

59,255

5,130

2,500

12,704

6,110

58,637

Kens Farm

Oakwoods Lake Erie

Hudson Mills

Totals

(	OFF-SITE Programs and Attendance								
CURREN	IT YEAR	PREVIOUS YEAR							
Programs	Attendance	Programs	Attendance						
-	-	-	-						
-	-	-	-						
1	200	1	500						
2	62	3	90						
6	152	-	-						
5	264	1	34						
5	258	15	399						
-	-	-	-						
24	678	27	920						
4	126	1	175						
-	-	1	38						
-	-	1	62						
15	549	-	-						
62	2,289	50	2,218						

ON-SITE" - Statistics includes both programs offered to the public and programs offered to school and scout groups.

OFF-SITE" - Statistics includes outreach programs at schools, special events such as local fairs, or outdoor related trade shows.

"OTHER VISITORS" - Represents patrons to interpretive centers who visit to view exhibits, walk trails, and generally just enjoy the outdoors.