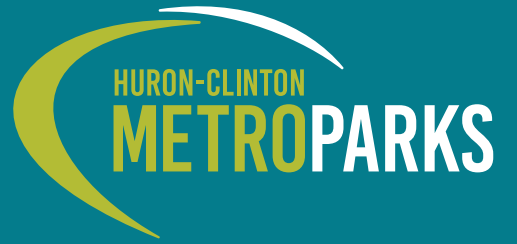


LOWER HURON METROPARK MASTER PLAN



5 Year Update to 2016 – 2026

DRAFT



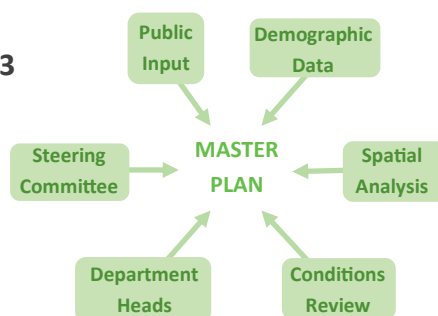
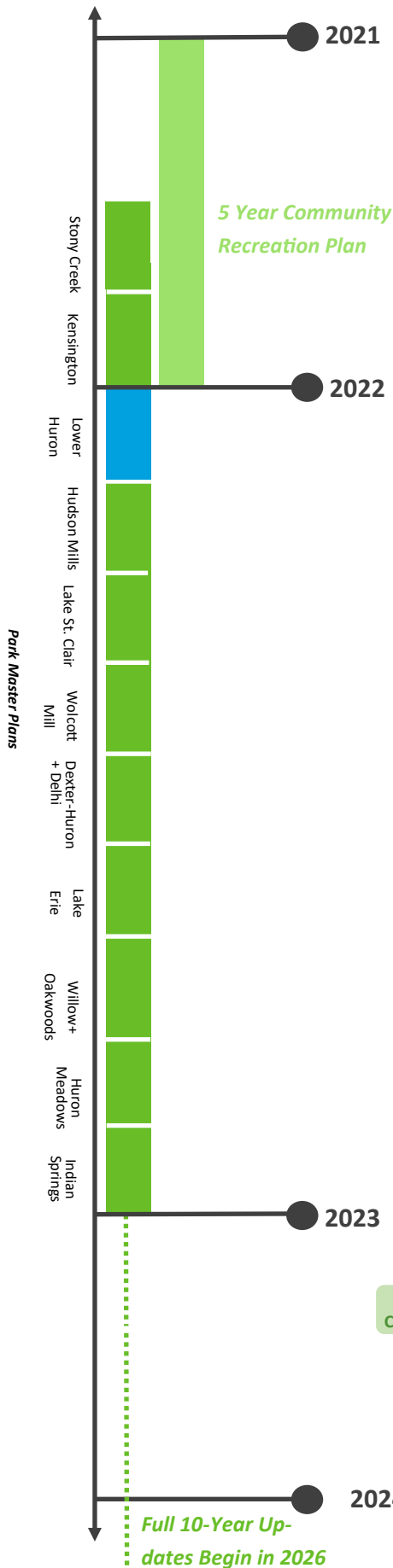
Introduction

Planning Process

The five-year update is an opportunity for each of the 13 Metroparks to review their master plan and make sure it is still relevant. This review includes 1) major changes to facilities, infrastructure and programming in the park; 2) updated needs and opportunities; 3) completed action items; and 4) any new actions necessary to implement the goals and policies for the park. One of the most important components is the public input collected through meetings, questionnaires, and online comments, all of which influence plan recommendations. A master plan steering committee was formed to include park employees with exceptional knowledge of Lower Huron and surrounding community who, along with the experienced Metroparks administrative department heads provided their professional opinions.

The Planning and Development Department also included updates to the demographic and spatial data to inform recommendations. Demographic data looks at the density, age, income, language, and other factors of the regional population. Spatial data, usually analyzed through Geographic Information System (GIS) 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 staff conducted 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 with this review every five years. However, they focus on park developments over ten years, and will be updated through a more comprehensive planning process at the end of the planning horizon.



The Steering Committee met on 04/31/2022

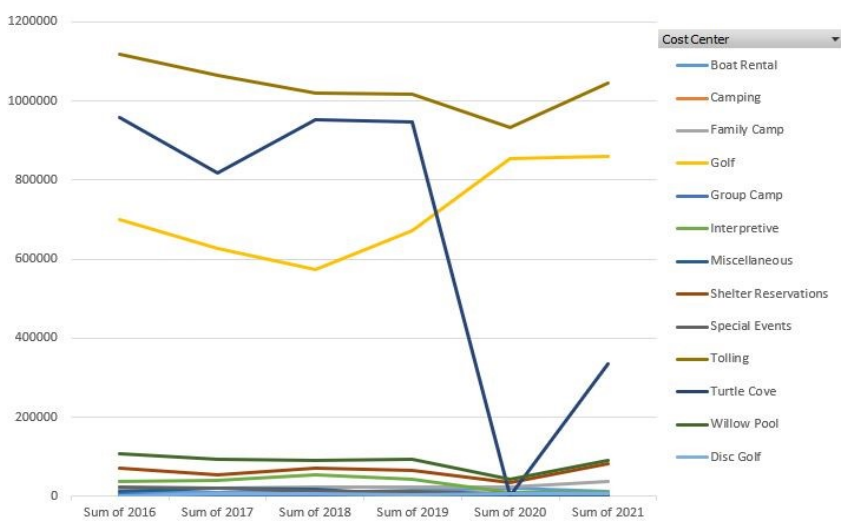
Revenue

Revenue Sources

2021 Operations Revenue

Revenue Source	2021 Total*	% of 2021 Revenue
Turtle Cove	333,740.53	13.4%
Tolling	1,046,057.00	42.1%
Shelter Reservations	82,565.76	3.3%
Camping	40,432.80	1.6%
Special Events	6,444.00	0.3%
Miscellaneous	1,590.90	0.1%
Golf	858,660.57	34.5%
Disc Golf	6,395.00	0.3%
Interpretive	9,563.85	0.4%
Willow Pool	89,125.41	3.6%
Boat Rental– Washago	10,952.58	0.4%
	2,485,528.40	100%

REVENUE TRENDS 2016-2021— Lower Huron, Willow, and Oakwoods



*2020 Operations Revenue was irregular due to the COVID pandemic.

NEEDS

Diversify sources of revenue

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

OPPORTUNITIES

The Metroparks 2021 General Fund revenue equaled \$59,729,968. Lower Huron's 2021 operations revenue was approximately \$2,485,528, comprising 4.2% of all Metroparks revenue.

The budgeted 2022 operations revenues for Lower Huron, Willow, and Oakwoods is \$3,083,260, while estimated 2022 operations expenses are \$6,791,291. These parks are combined in the budgeting process since they are administered together. Property tax and other revenue will subsidize 54.6% (\$3,708,031) of the three parks' operating budget.

As the chart illustrates, nearly all of Lower Huron's operations revenue comes from the Turtle Cove Family Aquatic Center and from park entrance tolling.

Revenue

Visitors

Lower Huron Metropark is a regional park and can draw from the 3,484,040 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 Lower Huron Metropark have averaged around 300,000 since 2008. Record entries of over 400,000 were recorded in 2020. Weather often plays a role in attendance to the park; activity areas greatly affected by weather are the trails, fishing piers, Turtle Cove, and the golf course.

In 2019, the Metroparks season pass included a barcode that park staff could scan when visitors enter Hudson Mills Metropark. The barcode was added so Metroparks staff could track which ZIP codes users are coming from to create better experiences, amenities and programming within the park system. Knowing where people are coming from also assists in identifying gaps in visitor characteristics so that the Metroparks can do a better job in sharing information about areas that may be underrepresented in terms of attendance.



Popular Turtle Cove and Hike-Bike path

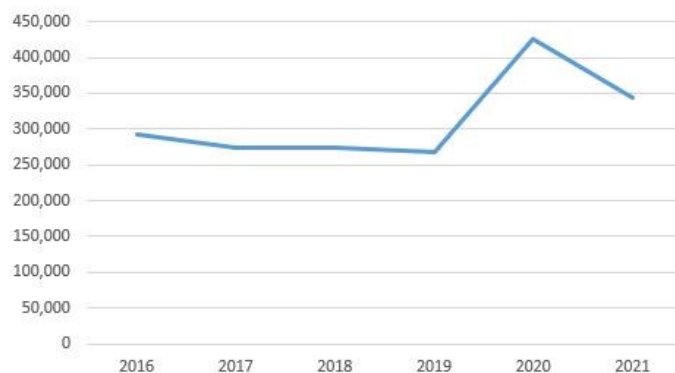
NEEDS

Increase vehicle entry numbers

Draw visitors to the park with additional marketing and attractions

OPPORTUNITIES

VEHICLE ENTRIES 2016-2021



Lower Huron Metropark 30-Mile radius



Programs & Events



Volunteer work day



Cruizin' the Park



Radio Disney D-Tour

NEEDS

Increase revenue and visitation

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

OPPORTUNITIES

2022 Integrated Marketing Plan

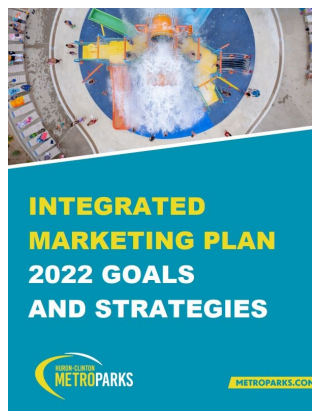
Educational and public programs looked much different than “average” in 2020. Staff adjusted to ever-changing situations of the pandemic to continue serving visitors on multiple platforms using virtual and hybrid programs, as well as small-group, in person, outdoor programs. These new practices will carry over into 2022 and staff will continue working collaboratively to provide exciting new experiences for the Lower Huron communities in ways that are safe and engaging.

2020-2022 Recreation Programming Plan

In 2022, the Metroparks amended the 2020-2022 Community Recreation Plan to include a Recreation Programming Plan.

An important element of programming is accessibility and ensuring all programs, events, and services are compliant with the American Disability Act (ADA) requirements.

To achieve this, the Metroparks has begun self-evaluation of all programming and services offered by each department. Each program was categorized into groups of similar activities (e.g. programs, events, activities) and will then be analyzed each activity in terms of vision, hearing, and mobility barriers that may exist.



COMMUNITY INFLUENCES

Population

The population of Lower Huron communities is growing, aging, and facing new challenges. The percentage of households without access to an automobile has stayed consistent throughout the region during 2014-2019.

The Metroparks were created during 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.

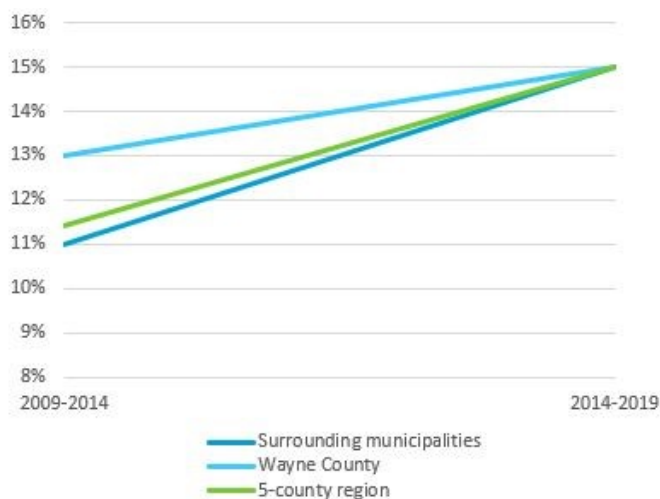
The percentage of individuals over 65 years of age is rising quickly in the region, Wayne County and communities surrounding the park. Older adults have distinct needs, often requiring accommodations for mobility and accessibility of park features such as trails and buildings. This is important to keep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

NEEDS

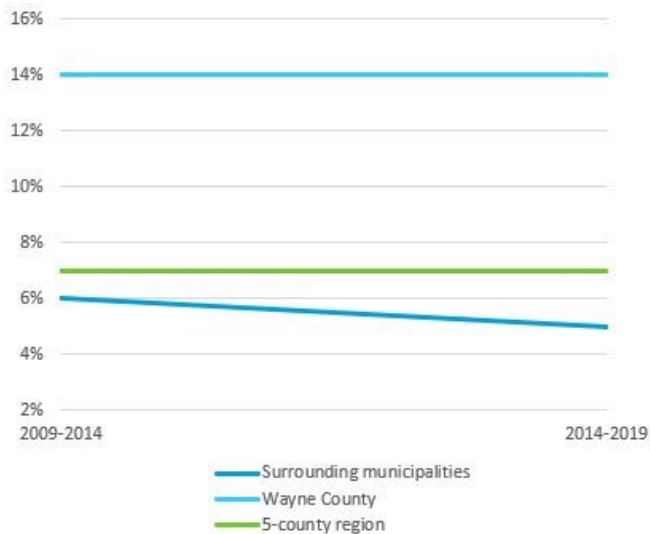
Address changing needs of new population demographics

Draw new users with an accessible, welcoming park environment

OPPORTUNITIES



CHANGE IN PERCENT OF POPULATION OVER 65 YEARS, FROM 2009-2014 through 2014-2019 (Source: US Census American Community Survey)



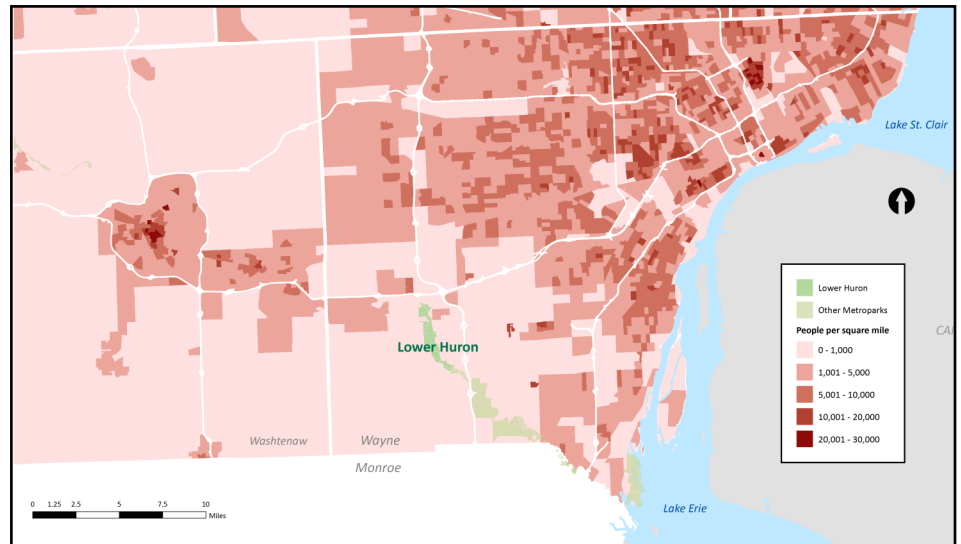
CHANGE IN PERCENT OF HOUSEHOLDS WITH NO CARS AVAILABLE, FROM 2009-2014 through 2014-2019 (Source: US Census American Community Survey)

Community Influences

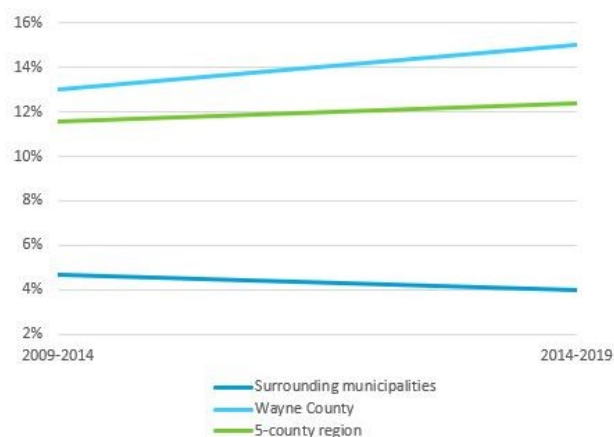
As shown below, Lower Huron is located at the southern edge of the suburban ring around Detroit, largely in the midst of rural low-density areas with less than one thousand residents per square mile. It is also connected to the string of urbanization extending to Ann Arbor. These factors create unique land use and park access challenges.

While Wayne County is falling in population density, the population in the municipalities surrounding Lower Huron has stayed remarkably constant over the past ten years. Remaining aware of development changes in the area will be important to gauge recreation needs.

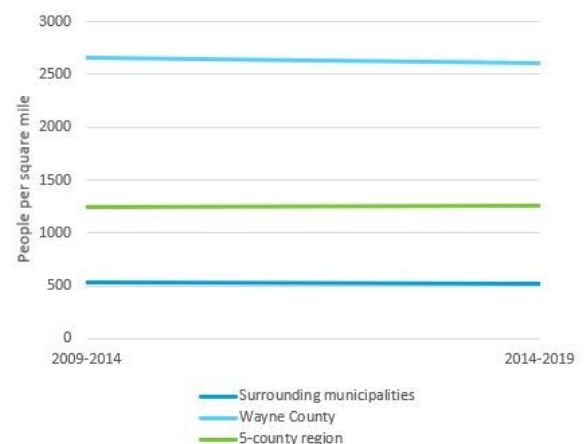
Although most households in the area still speak English as their first language, in Wayne County a growing number of households speak a language other than English at home. Because of this growing linguistic diversity, the Metroparks are working towards more universal signage design, with a focus on easily understandable symbols.



POPULATION DENSITY BY CENSUS TRACT, 2014-2019



CHANGE IN PERCENT OF HOUSEHOLDS SPEAKING LANGUAGE BESIDES ENGLISH AT HOME, 2009-2014 through 2014-2019
(Source: US Census American Community Survey)



CHANGE IN AVERAGE POPULATION DENSITY, 2009-2014 through 2014-2019
(Source: US Census American Community Survey)

Community Influences

NEEDS

Improve park connectivity with community

Create good working relationship with surrounding municipalities

OPPORTUNITIES

Van Buren Township (updated 2022-2026

Parks and Recreation Master Plan)

- Provide a variety of parks and recreation experiences desired by the community
- Improve and develop greenways, connect with regional and state systems for both recreation and transportation
- Develop recreation services to support community members of all ages

Sumpter Township (updated Master Plan 2011-2016)

- Maintain protection of natural resources
- Woodland and Open Space ordinances, use of cluster developments
- Interest in development of greenway system

City of Romulus updated (updated 2019 Master Plan)

- Connectivity and traffic flow challenges due to Detroit Metropolitan Airport
- Streetscape and non-motorized connection improvement
- Interest in acquiring public land

Huron Township (updated 2013)

- Metroparks as major attraction to township
- Preserve open space and farmland
- Planned denser development in the villages
- More bicycle and pedestrian connections



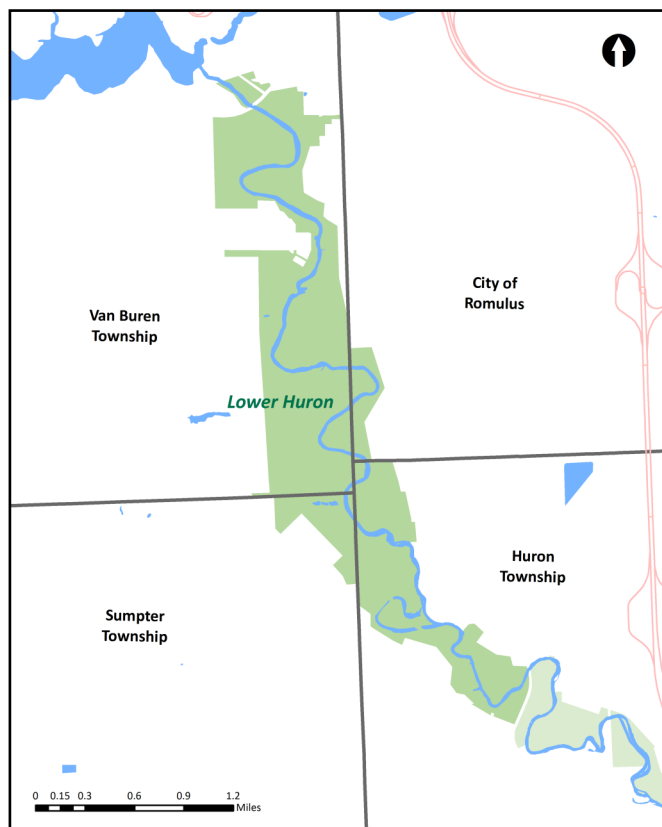
Projects/Initiatives

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

Understanding the goals and plans of municipalities bordering and/or containing Lower Huron is essential for a collaborative, comprehensive planning process. Planning staff researched the published master plans and recreation plans of each municipality: Van Buren Township, Sumpter Township, Huron Township, and the City of Romulus. These provided a basic idea of the planned direction of each community, especially regarding land use, development, and recreation.

MUNICIPALITY MAP



Community Influences

Supporting Plans

Community Recreation Plan

The Lower Huron Master Plan is aligned with the Metroparks Community Recreation Plan 2018-2022 that creates an inventory of existing facilities and resources, identifies community and recreation and open space needs and sets a plan of action for a 5-year period. To be eligible to apply for Land and Water Conservation Fund, Michigan Natural Resources Trust Fund, and Waterways grants, a community must have an approved 5-Year Plan on file with the Michigan Department of Natural Resources (DNR) by February 1 of the year they intend to apply.

Marketing Plan

Realizing the importance of marketing and communication, the Kensington Master Plan will coincide with updates to the Marketing Plan 2022 Goals and Strategies, developed annually by the Marketing and Communications Department. Both are living documents that will closely follow both present and future marketing trends and work in collaboration amongst various departments.

ADA Transition Plan

The Metroparks Board of Commissioners approved an updated Americans with Disabilities Act (ADA) Transition Plan in November 2019. Moving forward, top priority projects will be added into annual capital and major maintenance improvement projects and identified in the Five-Year Community Recreation Plan and 10-year master plan (five-year amended) developments.

Stormwater Management Plan

The Stormwater Management Plan (SWMP), approved by the Board of Commissioners in 2019, provides a comprehensive review and analysis of the existing stormwater conveyance system for improvement and maintenance projects that prioritize reduction of impacts on water quality. It includes concepts and preliminary details for the design, construction, and operation and maintenance of the stormwater system for each Metropark (separated into individual chapters). Vetted by a committee of administrative departments and Lower Huron operations and maintenance staff, recommendations include green infrastructure development, shoreline and streambank restoration, and culvert and outfall cleanouts and replacements. Cost estimates were developed for each project, and calculation tables were included to help with budgeting (adjusting for inflation) in the future.



Community Influences

Relevant Planning Documents

Huron Charter Twp Parks and Recreation Master Plan, 2019-2023

"Huron-Clinton Metropolitan Authority incorporates large areas and provide recreation opportunities such as swimming, boating, hiking, hunting, camping, and golfing, which are typically beyond the ability of a local municipality to provide."

Van Buren Charter Twp Master Plan, 2020

"Provide for the protection and maintenance of the Township's environmental resources for the purpose of natural beauty, Township character, and ecological preservation."

"Involve stakeholders, including environmental groups from the state, Township, and adjacent communities, in environmental protection implementation working sessions, focused primarily on the Iron Belle Trail System and Belleville Lake."

Sumpter Twp Master Plan, 2011-2016

"The establishment of greenways and non-motorized pathways to connect the parks and form a continuous park system tying community facilities, schools, neighborhoods, and parks is a priority for the community. This Township-wide system should also be tied to the regional greenway system planned for the area."

City of Romulus Parks and Recreation Master Plan, 2021-2025

"A paved hike-bike trail connecting the Lower Huron, Willow and Oakwoods Metroparks, a 30 mile round trip experience, connects and runs through the City of Romulus along the I-275 Expressway Metro Trail. Future plans for recreation expansion involve a tie-into these trails with local parks."

Lower Huron River Watershed Management Plan, 2012

"If current development practices are employed to accommodate the projected increase in population and associated infrastructure, then SEMCOG estimates 40% of the remaining open spaces will be developed within the watershed by 2020. Much of this projected conversion of undeveloped land will occur in the lower Huron River Watershed" p.4

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." pg. 1

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

The southern portion of Wayne County contains few other large parks beyond the four Metroparks. Therefore, Lower Huron, Willow, and Oakwoods may provide a disproportionate amount of local recreation opportunities.

Lower Huron 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 Lower Huron 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. The Iron Belle Trail is a state-designated trail with both a hiking and a biking arm reaching from Belle Isle in Detroit to Ironwood at the very western edge of the Upper Peninsula. The hike-bike trail from Lake Erie to Lower Huron Metropark is part of the 791-mile bicycle route, which is 64% complete according to the Michigan Department of Natural Resources. This kind of multi-jurisdictional partnership enhances the recreational resources of all participants.

PUBLIC INPUT

← Outreach Process

2022 Community Needs and Assessment

ETC Institute administered a needs assessment survey for Huron-Clinton Metroparks (HCMA) during the Spring of 2022. The survey was administered as part of Metroparks' efforts to establish and priorities improvements to the parks system, which included 13 parks covering more than 25,000 acres in Wayne, Oakland, Macomb, Livingston and Washtenaw counties. The survey and its results will guide HCMA in taking a resident-driven approach to making decisions that will enrich the future of the community and positively affect the lives of all residents in southeast Michigan.

ETC Institute mailed a survey packet to a random sample of households in Livingston County, Macomb County, Oakland County, Washtenaw County, Wayne County (outside the City of Detroit), and the City of Detroit.

Location	Completed Surveys	% Precision
<i>Livingston County</i>	479	±4.5%
<i>Macomb County</i>	511	±4.3%
<i>Oakland County</i>	583	±4.1%
<i>Washtenaw County</i>	514	±4.3%
<i>Wayne County (Outside Detroit)</i>	407	±4.9%
<i>City of Detroit</i>	405	±4.9%
Total	2,899	±1.8%

The table above shows the number of completed surveys collected in each of the six sampling areas. The table also shows the margin of error at the 95% level of confidence for each area.

The results presented in this report have been weighted to represent each sampling area's share of the population of the Huron-Clinton Metroparks service area. The weighted results give more weight to the responses from the larger sampling areas, including Macomb County, Oakland County, Wayne County (outside Detroit), and the City of Detroit, and similarly gives less weight to the responses of the smaller sampling areas, including Livingston County and Washtenaw County

Priorities for Parks & Recreation Facility Investments in the Huron-Clinton Metroparks Service Area

The Priority Investment Rating (PIR) was developed by ETC Institute to provide organizations with an objective tool for evaluating the priority that should be placed on Parks and Recreation investments. The Priority Investment Rating (PIR) equally weighs:

- the importance that households place on each facility/amenity/ activity/program
- how many households have unmet needs for the facility/amenity/activity/program

Facility	Priority Investment Rating (PIR)
<i>Trails-paved, multi-use (walking, biking)</i>	189.2
<i>Beaches</i>	174.7
<i>Natural areas</i>	145.7
<i>Trails-unpaved, nature trails</i>	139.7
<i>Trails-unpaved, hiking</i>	137.2
<i>Nature centers</i>	114.2
<i>Canoe/kayak launch sites</i>	110.2
<i>Outdoor swimming pools</i>	107.9

Results

Wayne County (Outside of Detroit)

The table below shows the Priority Investment Ratings (PIR) for parks and recreation facilities, based on the PIR analysis conducted using the data from Wayne County (outside of Detroit) households. The following nine facilities were rated as high priorities for investment:

- Beaches
- Picnic shelters
- Paved multi-use trails for walking and biking
- Playgrounds
- Natural areas
- Picnic tables
- Outdoor swimming pools
- Nature centers

Facility	PIR	
Beaches	195.3	High Priority (PIR=100-200)
Picnic shelters	176.4	
Trails-paved, multi-use (walking, biking)	165.2	
Playgrounds	150.8	
Natural areas	147.2	
Picnic tables	144.1	
Outdoor swimming pools	132.0	
Nature centers	121.8	
Trails-unpaved, nature trails	107.4	
Fishing banks or docks	94.6	Medium Priority (PIR=50-99)
Trails-unpaved, hiking	90.2	
Splash pad (water play area)	85.4	
Canoe/kayak rentals	79.9	
Waterslides	77.3	
Canoe/kayak launch sites	76.3	
Camping areas-group sites	61.2	
Trails-mountain biking	52.8	
Camping areas-primitive sites	49.2	Low Priority (PIR=0-49)
Camping areas-RVs	42.6	
Golf driving ranges	42.0	
Golf courses	36.7	
Boat ramps	36.3	
Boat docks	33.8	
Disc golf	25.2	
Marinas	22.6	

The table below shows the Priority Investment Ratings (PIR) for parks and recreation programs, based on the PIR analysis conducted using the data from Wayne County (outside of Detroit) households. The following 16 programs were rated as high priorities for investment:

- Concerts
- Art/photography
- Movies in the park
- Swim lessons
- Walking clubs/programs
- Water fitness programs
- Pet-friendly programs
- Environmental education programs
- Camping
- Programs for people with disabilities
- Astronomy programs
- Bird-wildlife watching programs
- Guided nature hikes
- Fishing programs
- Natural/cultural history programs
- Guided canoe/kayak tours

Program	PIR	
Concerts	194.4	High Priority (PIR=100-200)
Art/photography	175.1	
Movies in the park	173.9	
Swim lessons	166.8	
Walking clubs/programs	164.6	
Water fitness programs	162.6	
Pet-friendly programs	150.9	
Environmental education programs	132.9	
Camping	129.0	
Programs for people with disabilities	126.7	Medium Priority (PIR=50-99)
Astronomy programs	126.2	
Bird/wildlife watching programs	125.0	
Guided nature hikes	121.7	
Fishing programs	114.2	
Natural/cultural history programs	108.7	
Guided canoe/kayak tours	105.5	
Farm educational programs	98.0	
Golf lessons	83.6	Low Priority (PIR=0-49)
Boating classes	80.6	
Guided motorized boat tours	70.3	
Homeschool programs	59.1	
Running clubs/programs	50.0	
Virtual programs	35.3	
Scouting	31.8	
Golf tournaments	29.9	

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. [5-year updates are in blue text](#)

Needs

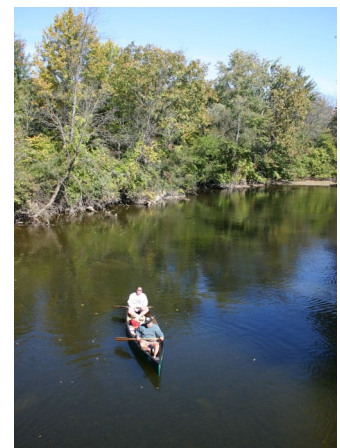
- Better highlight and advertise unique character of park
- Define and protect biodiversity features
- Address aging and overbuild infrastructure
- Work with county to address boundary [and encroachment issues](#)
- Better revenue and visitation numbers
- Improve park connectivity with community
- Incorporate a variety of user community groups into Master plan
- [Address changing needs of new population demographics](#)



Opportunities

- Build a strong identity and user base with unique character of park
- Create resilient network of biodiverse areas in park
- Draw new visitors with programming and park history education
- Update infrastructure to better [reflect park usage and sustainability for future use](#)
- [Take advantage of captive audiences, actively take part in programming activities and events](#)
- Provide unique recreational facilities to draw visitors from across the region
- Create good working relationship with neighbors, municipalities and partner organizations
- Use data to invest in activities and facilities, increasing users, and increased 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 five years.



Large Facilities

Description	Department Lead	Other Departments	Other Partners	Cost Estimate	Short-Term (2022-2023)	Mid-Term (2024-2025)	Long-Term (2026 +)	Status
New slide structure at Turtle Cove	Engineering	Planning, Operations	Contractor	\$1,605,983	x			Budgeted
North fishing site redevelopment: improve accessibility and site amenities	Engineering	Planning, Operations	Contractor	\$297,399				Complete
Bemis Road Toll Booth Replacement and Paving: Toll Booth replacement on existing pedestal at Oakwoods and Lower Huron - Bemis Road entrance.	Engineering	Planning, Operations	Contractor	\$30,000	x			In Construction
Backup Internet Fiber Installation: Comcast installation of underground fiber network	Engineering	Operations, Maintenance	Contractor	\$185,362	x			In Construction
Demolition of park office: new park office under construction at Willow.	Engineering	Planning, Operations	Contractor	TBD		x		Not Started
Walnut Grove Campground Improvements, Phase 2: comfort station and electrical improvements	Engineering	Planning, Operations, Maintenance	Contractor	\$784,600			x	Awaiting Grant Agreement
Off Leash Dog Area Development: new fenced in area for off leash dog activities.	Engineering	Planning, Operations, Maintenance	Contractor	\$330,800			x	Awaiting Grant Agreement
Iron Bell Trail Project : project to extend the Iron Bell trail from its current terminus to the north park entrance (Huron River Drive)	Engineering	Planning, Operations,	Contractor	\$845,016			x	In Construction
Adaptive Ballfield	Planning	Engineering, Operations	RFP Consultant	TBD			x	Planning

Infrastructure / Small Facilities

Description	Department Lead	Other Departments	Other Partners	Cost Estimate	Short-Term (2022-2023)	Mid-Term (2024-2025)	Long-Term (2026+)	Status
Pavement projects (list developed annually, as needed)	Engineering	Planning, Operations	Contractor	various	x	x	x	Ongoing
Accessibility improvements, including interiors and walkways - parkwide	Engineering	Planning, Operations	Contractor	various	x	x		Ongoing
Install above-ground fuel storage at service yard	Engineering	Maintenance	Contractor	\$170,000				Complete
Turtle Cove Crosswalk Path: Construction of a path and crosswalk from the Foxwoods parking lot to Turtle Cove	Engineering	Planning, Operations	Contractor	\$100,355	x			In Design
Accessible Path from Hawthorne Glade N Shelter to Turtle Cove: Pave 1,285' path from shelter to restrooms and Turtle Cove area per the ADA Transition Plan.	Engineering	Planning, Operations	Contractor	\$110,000	x			Budgeted
Accessible Path from Tulip Tree Shelter to Restrooms: Pave 330' path from shelter to restrooms per the ADA Transition Plan.	Engineering	Planning, Operations	Contractor	\$30,000	x			Budgeted
Accessible Path: Woods Creek play area to restrooms	Engineering	Planning, Operations	Contractor	TBD		x		Not Started
Accessibility Improvements: Turtle Cove, connect hike and bike path	Engineering	Planning, Operations	Contractor	TBD		x		Not Started
Equalization of culverts: assessment, replacement, abatement.	Engineering	Planning, Operations	Contractor	TBD		x		Not Started
Tawata Trace underpass restoration	Engineering	Planning, Operations	Contractor	TBD			x	Not Started
Tulip Tree septic pump grinder	Engineering	Planning, Operations	Contractor	TBD		x		Not Started

Signage

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2022-2023)	Mid-Term (2024-2026)	Long-Term (10+ years)	Status
Roadside wayfinding/directional signage updates - parkwide	Planning	Maintenance, Operations		\$15,000	x			Ongoing
Trail wayfinding and interpretive signage improvements - Woods Creek, Paw Paw, Bob White	Planning	Maintenance, Operations		\$10,000	x			Not Started
Directional/ wayfinding signage to new park office at Willow	Planning	Maintenance, Operations		TBD	x			Not Started
Directional/wayfinding signage to serve paddlers along kayak routes	Planning	Maintenance, Operations	Huron Clinton Watershed Council	TBD		x		Not started
Iron Belle Trail directional/ wayfinding signage	Planning	Maintenance, Operations	MDNR	TBD	x			Not started
Update wayfinding signage—Fox Woods (removal of ice skating rink icons)	Planning	Maintenance, Operations		TBD	x			Not started

Natural Resources

Description	Dept. Lead	Other Depts.	Other Partners	Cost Estimate	Short-Term (2022-2023)	Mid-Term (2024-2026)	Long-Term (10+ years)	Status
Climate Resiliency Plan	NR	Planning		staff time	x	x	x	Ongoing
Develop NR review process in early planning stages of construction projects	NR	Planning		staff time	x	x	x	Ongoing
Vegetation management (annual)	NR	Planning, Operations		\$30,000	x	x	x	Ongoing
Landscape tree diversity plantings (annual)	NR	Planning, Operations		\$3,500	x	x	x	Ongoing
Energy conservation initiatives	NR	Planning, Engineering, Interpretive		\$9,000	x			Ongoing
Hazardous waste removal (annual)	NR			\$1,000	x	x	x	Ongoing
Early detection, rapid response. Invasive species surveys and control in high quality natural areas (annual)	NR	Interpretive	NGOs	\$10,000	x	x	x	Ongoing
Conduct prescribed fire in adapted native communities (Bobwhite wetland, Fox Woods ravine, etc.)	NR			\$15,000	x	x	x	Ongoing
Oak wilt monitoring and prevention (annual)	NR	Operations	MDNR	staff time	x	x	x	Ongoing
Deer cull to maintain deer at roughly 15/ square mile.	NR	Police		staff time	x	x	x	Ongoing
Bioswale improvements	NR	Planning, Operations		TBD		x		Not Started
Riparian bank restoration	NR	Planning, Engineering, Operations		TBD		x	x	Not Started
Reduction of mowed areas	NR	Planning, Operations, Maintenance		TBD	x			Not Started

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	Department Lead	Other Departments	Other Partners	Cost Estimate	Short-Term (2022-2023)	Mid-Term (2024-2025)	Long-Term (2026+)	Status
Update trail maps to show opportunities for walking/hiking/trail running	Graphics	Planning		staff time	x			Ongoing
Turtle Cove renovation site plan	Planning	Engineering, Operations		staff time				Complete
Demolition plan for park office at Lower Huron	Planning	Engineering, Operations	Consultant			x		Not started
North fishing site improvements plan	Planning	Engineering, Operations		staff time				Complete
Walnut Grove campground monitoring and site improvements plan	Planning	Engineering, Operations		staff time				Complete
Future plan for Par 3 Golf Course	Planning	Engineering, Operations		staff time				Complete
Investigate partnership with Rolling Hills waterpark for overflow days	Planning			staff time				?
Fisheries assessment and habitat improvement (including creel survey)	NR	Operations	MDNR	\$25,000		x		Ongoing
Herpetological distribution and abundance assessment	NR	Interpretive	Consultant	\$9,000		x		Ongoing
Shoreline erosion survey	NR			\$10,000		x		Ongoing
Establish invasive species control tracking website	NR	IT	MNFI, MISIN	\$15,000		x		Ongoing
Comprehensive wildlife surveys and mapping (Birds, insects, freshwater mussels)	NR	Interpretive	MNFI, Consultant	\$35,000				Ongoing
Electric Vehicle (EV) Stations	Planning	Engineering, Operations		staff time		x		Not Started

Area Plans/Studies/Initiatives

Description	Department Lead	Other Departments	Other Partners	Cost Estimate	Short-Term (2022-2023)	Mid-Term (2024-2025)	Long-Term (2026+)	Status
Robbe Farm feasibility study	Planning	NR, Engineering		staff time		x		Not Started
Foxwoods improvements: removal of two remaining dams, existing amenities, and electrical	Engineering	Planning, NR, Operations		TBD			x	Complete
Foxwoods restroom expansion	Engineering	Planning, Operations		TBD			x	Not Started
South fishing site repairs and river access improvements	Engineering	Planning		TBD			x	Not Started
Accessible Baseball Field	Engineering	Planning, Operations		TBD			x	Not Started
Kayak rescue launch and access plan	Engineering	Planning, Operations		TBD	x			Not Started
Trail connection plan: French Landing Dam	Engineering	Planning, Operations		TBD		x		Not Started