

# TIME TO EXPLORE

Cleveland Metroparks

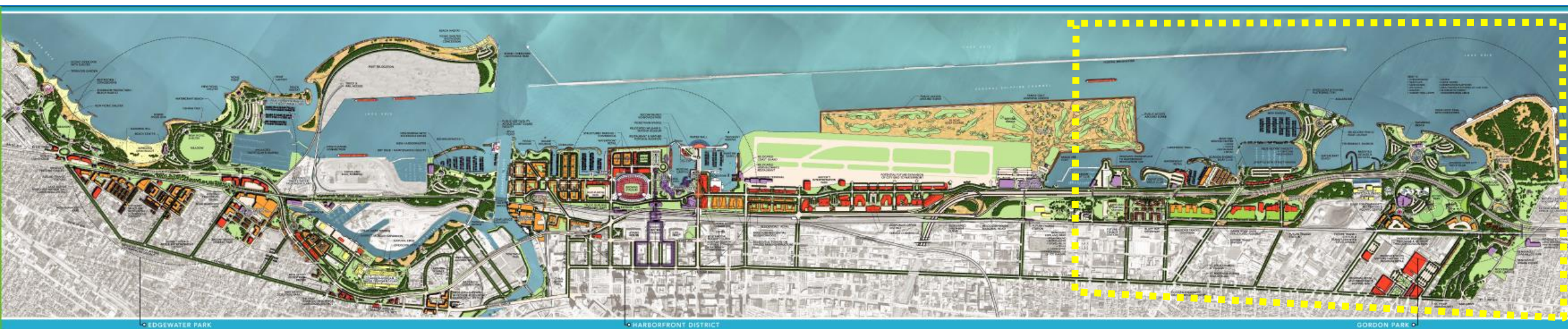
Cleveland Harbor  
Eastern Embayment  
Resilience Study

CHEERS

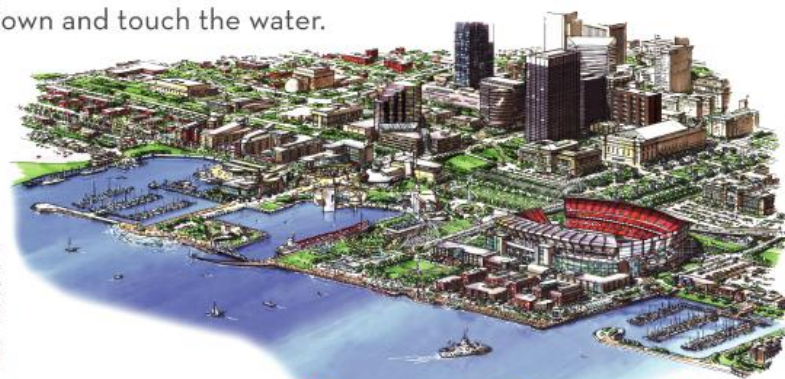
Board of Park Commissioners

February 20, 2020





**envision** a city where one can easily reach down and touch the water.



**imagine** a place where living, working and playing are linked to the unique natural resource we know as lake erie.

**consider** the possibility that this resource can be experienced along a magnificent, continuous waterfront park system, from vibrant public spaces, fresh-water beaches or from tree-lined, pedestrian-scaled boulevards.

**believe** that with our collective public energies we can realize this vision, investing in this priceless asset to generate an immeasurable return not only for ourselves, but for generations to come.



# cleveland waterfront district plan

# CHEERS STUDY AREA



Cleveland Clinic  
UNIVERSITY CIRCLE  
ROCKEFELLER PARK  
Superior Avenue  
St. Clair Avenue  
Gordon Park  
Former First Energy Plant  
E. 55<sup>th</sup> St  
I-90  
E. 55<sup>th</sup> Marina  
Shoreline Apts.  
Burke Lakefront Airport  
SR 2  
Federal Breakwall  
E. 72<sup>nd</sup> Fishing  
Bratenahl  
CLEVELAND LAKEFRONT NATURE PRESERVE

## PARTNERS



City of Cleveland



Cleveland Metroparks



Ohio Department of Natural Resources



Ohio Department of Transportation



Port of Cleveland

# National Fish and Wildlife Foundation (NFWF) Coastal Resilience Fund

**Schedule:** April 2020 - March 2021

**Funding:** \$251,000

\$125,000 grant – agreement pending

\$126,000 shared equally by five partners

Project Webpage:

[www.clevelandmetroparks.com/CHEERS](http://www.clevelandmetroparks.com/CHEERS)

The Cleveland Harbor Eastern Embayment Resilience Study (CHEERS) will engage a diverse team of consultants to study vulnerabilities in the natural environment, constructed infrastructure, and neighborhood fabric of the project area. Consultants will work with project partners, vested stakeholders, and the local community to identify priorities and interventions to improve resilience in the study area and adjoining neighborhoods. Preliminary technical design will further explore project feasibility and advance ideas toward implementation.





**Great Lakes Coastal Resiliency Study  
Multipurpose Watershed study**

Section 729 of the Water Resources and Development Act (WRDA) of 1986, as amended  
General Investigations

**Location**

- 5,200 miles of shoreline within the Great Lakes states (Minnesota, Wisconsin, Michigan, Illinois, Indiana, Ohio, Pennsylvania, and New York)

**Project Description**

- Inventory of relevant existing coastal data, gap analysis and recommendation for future collection
- Identification of problems and opportunities related to coastal resiliency
- Assessment of risk and vulnerability within the natural and human coastal environment
- Identification of a range of measures to address problems and opportunities within identified vulnerable coastal areas, and
- A completed "Great Lakes Programmatic Coastal Resiliency Plan".

**Importance**

- A comprehensive watershed plan is needed to assess coastal vulnerability over a wide range of potential future conditions including **climate variability, landuse development, watershed loadings and invasive species.**
- The watershed plan will serve as a blueprint for future investment and management of the Great Lakes coast.

**Consequence**

- Without the development of an integrated programmatic Great Lakes coastal resiliency plan, federal, state, county and local jurisdictions will continue to be affected by the major stressors affecting the study area and will continue to address these problems though a piecemeal approach, which is both inefficient and limited in effectiveness.



Photo Credit: Cleveland.com Super Storm Sandy Coverage, 10.30.12

Project Phase	Est. Fed. Cost of Phase	Federal Funding through FY17	FY18 Budget	FY19 Requirement	FY19 Budget
Watershed study	\$9M	\$0	\$0	\$1.2M	TBD

# GOALS

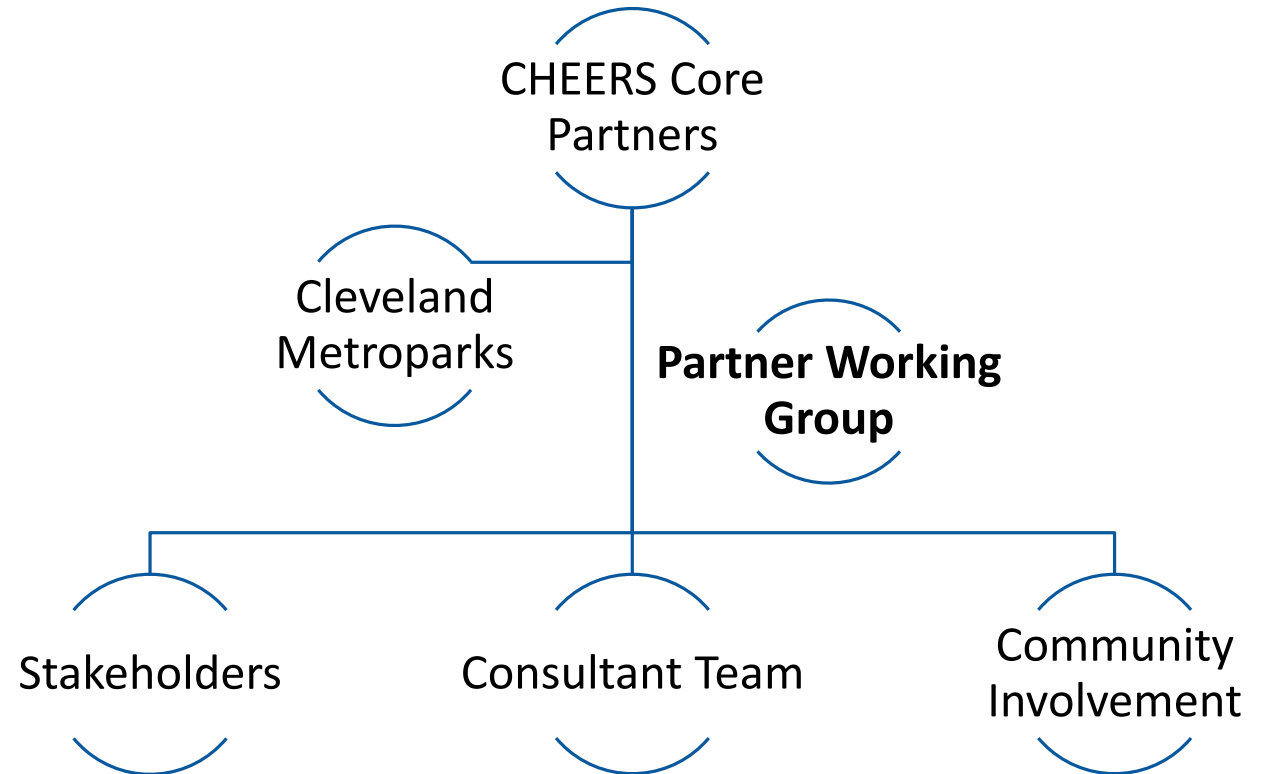
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*Contribute to the physical, ecological, and social resilience of the Lake Erie shoreline, local neighborhoods, and the larger community*

- 50% Design Plans for in-water and nearshore **habitat** for the project area, including options for **beneficial re-use of dredge** material
- Opportunities for increased **community access and recreational uses** along the Lake Erie shore
- Significant **stakeholder and community input**
  - Specific commitments to NFWF:
    - 2100 LF of critical infrastructure
    - 2 properties with enhanced protection
    - Resilience - outreach and education – reach 150 people
    - Engineering and design – 50% design, at least 2 areas(?)
    - Volunteer participation – 20

# Project Approach

- Management and Coordination
- Equity and Community Outreach
- Stakeholders
- Project Webpage: [www.clevelandmetroparks/CHEERS](http://www.clevelandmetroparks/CHEERS)





# Consultant Team Qualifications

Suggested areas of expertise for this project include, but are not limited to:

- Lake Erie-specific wave action, bathymetry, and hydrology
- Terrestrial and aquatic habitat analysis and restoration
- Dredge placement, characteristics, and permitting
- Shoreline park and open space planning
- Resilient and equitable neighborhood development strategies
- Community outreach and innovative engagement
- Cost estimating

Firms may participate in multiple qualifications submittals

# Consultant Team Selection

RFQu at [www.publicpurchase.com](http://www.publicpurchase.com)

## Scope

Technical Evaluation

Concept Development

Preliminary Design

Community Engagement

- Minimum five public engagement sessions
- Stakeholder meetings will be scheduled to correspond to public meetings
- Review and Work Sessions with Project Team - minimum eight sessions

## Project Deliverables (minimum)

- Conceptual Framework Plan Identifying Opportunities in Overall Study Area, Including Principles for Resilient and Equitable Development
- Minimum Four Renderings of Project Area – Overall Plan, Park Amenities, Key Vignettes
- Technical Design
  - 50% Plan for Area from I-90 to Federal Breakwall
  - 50% Details and Cost Estimates for Standard Project Elements

Cleveland Metroparks will serve as point of contact and will coordinate communications and timely feedback. Cleveland Metroparks will organize Steering and Stakeholder Committees and schedule meetings in coordination with the Consultant Team.

Mon. Feb. 3, 2020	RFQu issued
Weds. Feb. 12, 2020, 10:00 AM - noon	Site Visit (Short Presentation and Site Tour, Attendance Optional), Lakefront Admin Building, 8701 Lakeshore Blvd., Cleveland (no questions answered on site)
Tue., Feb. 18, 2020, 5:00 p.m.	Deadline for written questions from firms via Public Purchase
Weds., Feb. 19, 2020 5:00 p.m.	Responses to questions posted via Public Purchase
<b>Fri., Feb. 28, 2020, 2:00 p.m.</b>	<b>Deadline for submitting Statement of Qualifications</b>
Thurs., Mar. 19, 2020	Shortlisted team/firm interviews
Thurs., Mar. 19, 2020	Cleveland Metroparks selects top-ranked firm and RFP issued
Fri., Apr. 3, 2020	RFP submittal deadline
Tues., April. 7, 2020	Cleveland Metroparks/top-ranked firm complete negotiations
Thurs., Apr. 16, 2020	Target for award of contract by Cleveland Metroparks Board of Park Commissioners



**ASLA 2019 Professional General Design Honor Award. Hunter's Point South Waterfront Park  
Phase II: A New Urban Ecology. SWA/BALSLEY and WEISS/MANFREDI with ARUP >**



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**HONOR AWARD**  
**HUNTER'S POINT SOUTH WATERFRONT PARK PHASE II: A NEW URBAN ECOLOGY**

Conceived as a laboratory for urban resilience on a former railyard and landfill, the second and final phase of Hunter's Point South Waterfront Park along the East River in New York City continues the vision established by the park's earlier phase. The park's dramatic topography and carefully engineered ecosystems, including

66,000 square feet of salt marsh (21 percent of the site), double as flood defenses for the affordable housing development on the other side of the park, and the thoughtful integration of art, architecture, infrastructure, landscape, and river ecosystems serves as a global model for urban waterfront making. Informed by a second round of community engagement, the southern half of the park is a procession of unique urban landscapes stitched together by elegantly curved and angular paths. A sleek, prow-like overlook is cantilevered over constructed wetlands. The park's floodable island sanctuary is accessible only by an unfurling footbridge. Without private funding in place for

long-term maintenance, furnishings and plants were chosen for affordability and durability. The jury applauded the designers for demonstrating that the "highest standards of design excellence and the strongest environmental practices are fully compatible" and that "public spaces built by public agencies can at once look good, serve public needs, and be successfully resilient."

—  
 SWA/BALSLEY AND WEISS/MANFREDI WITH ARUP,  
 NEW YORK CITY  
 NEW YORK CITY ECONOMIC DEVELOPMENT  
 CORPORATION AND THE NEW YORK CITY DEPARTMENT  
 OF PARKS & RECREATION, CLIENTS



Coir Log

Boardwalk Pile

Silt Curtain

HIGH MARSH DREDGED MATERIAL

LOW MARSH DREDGED MATERIAL

SUBSTRATE ZONE DREDGED MATERIAL

Creator: Mahan Rykiel Associates  
Copyright: All images copyright protected  
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WOODROW WILSON BRIDGE

# Above and Beyond



Creator: Mahan Rykiel Associates  
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# SCAPE

COLLABORATORS  
Arcadis  
Nitsch Engineering

STUDIO ▾  
PROJECTS  
IDEAS  
NEWS  
CONTACT



Resilient Boston Harbor Vision  
BOSTON, MA

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