

CHEERS

Cleveland Harbor Eastern Embayment Resilience Strategy

Stakeholder Meeting #3

August 3, 2023



Where are we in the process?

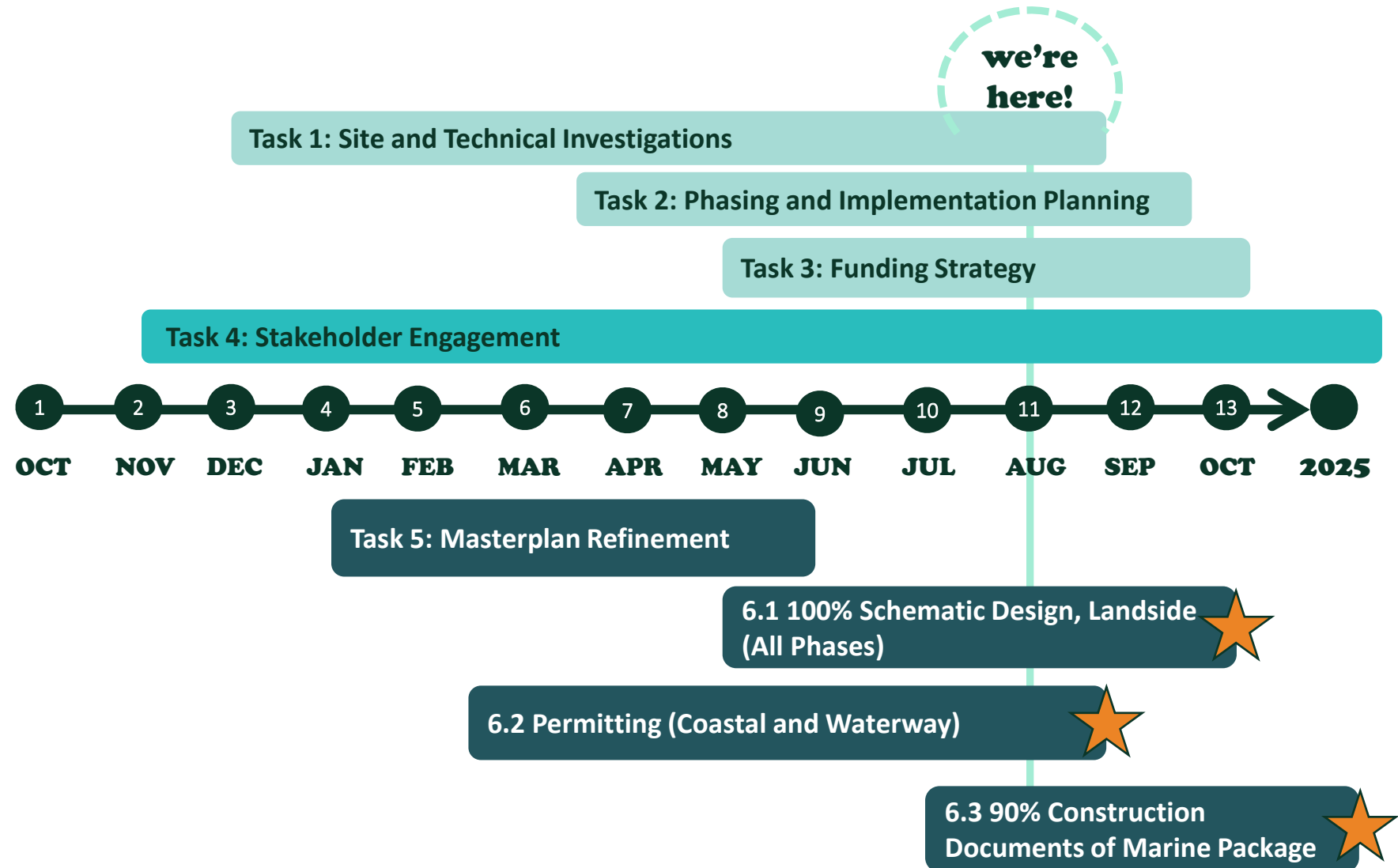
Site Investigations
& Enabling Studies

Engagement

Design &
Permitting

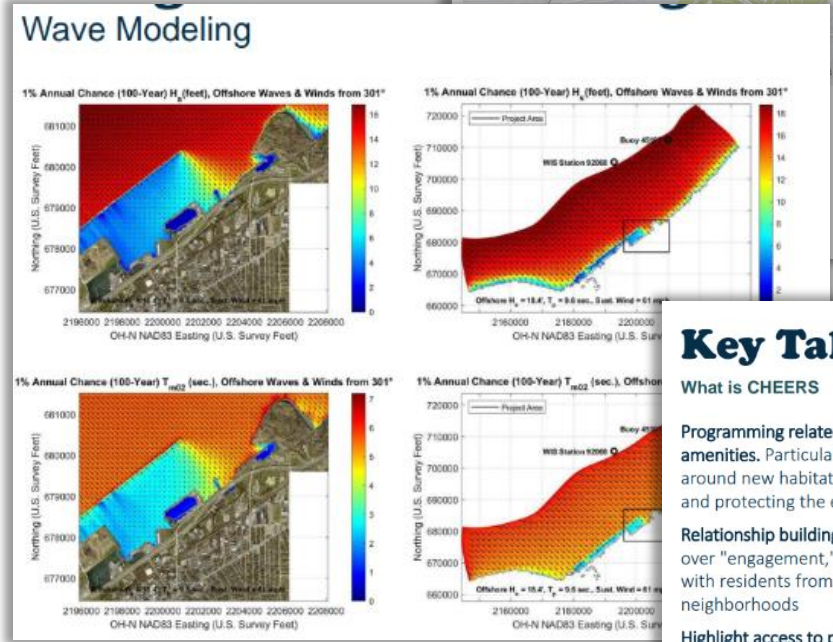
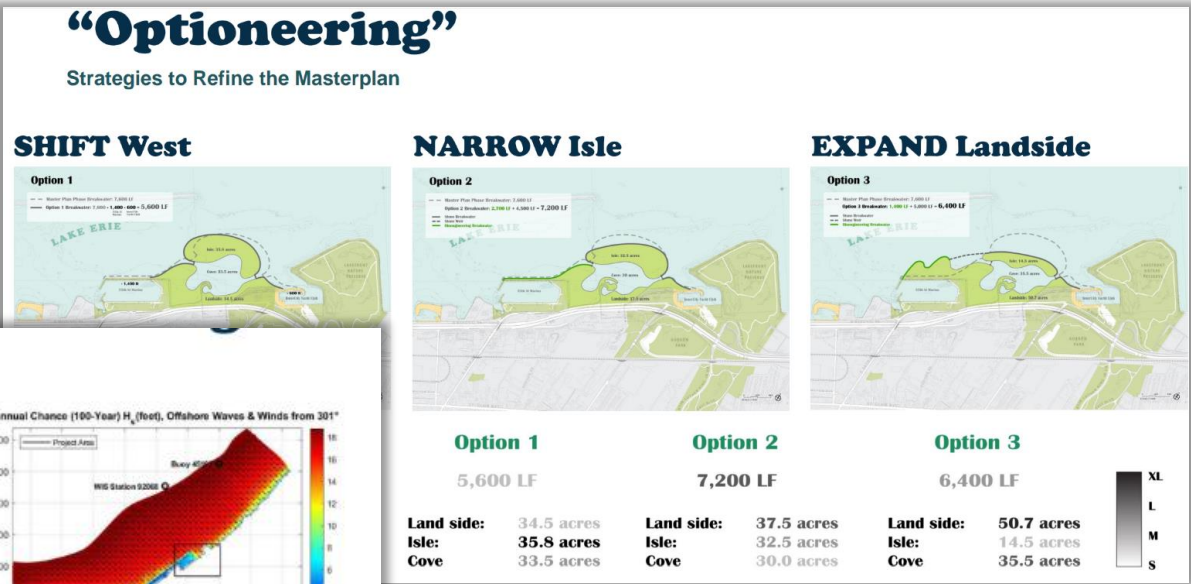


Major Grant and
Project Milestones



Last meeting we focused on...

- + Site Enabling Studies and Findings
- + February Community Engagement Results
- + Masterplan Refinement Process and Revised Plan



Key Takeaways

What is CHEERS

Programming related to the new amenities. Particularly education around new habitats, nature, and protecting the environment

Relationship building over "engagement," especially with residents from the adjacent neighborhoods

Highlight access to parks as a driver of health - this is an opportunity to build in a healthy systems / living framework

TOP 3 PROJECTS

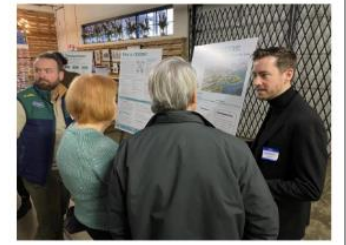


Safe and accessible connections were the top priority and questions

Where will parking be

Improved safety for pedestrians & bicyclists on 55th & 72nd Streets

Connect to other community assets



What have we been doing this spring and summer?

- + Project Partner Workshops
- + Construction Phasing and Sequencing
- + Habitat and Program Refinement
- + Funding and Grant Strategy
- + USACE Coordination and Benefit-Cost Assessments

Project Partner and Design Team Engagement

April Site Visits and Workshops

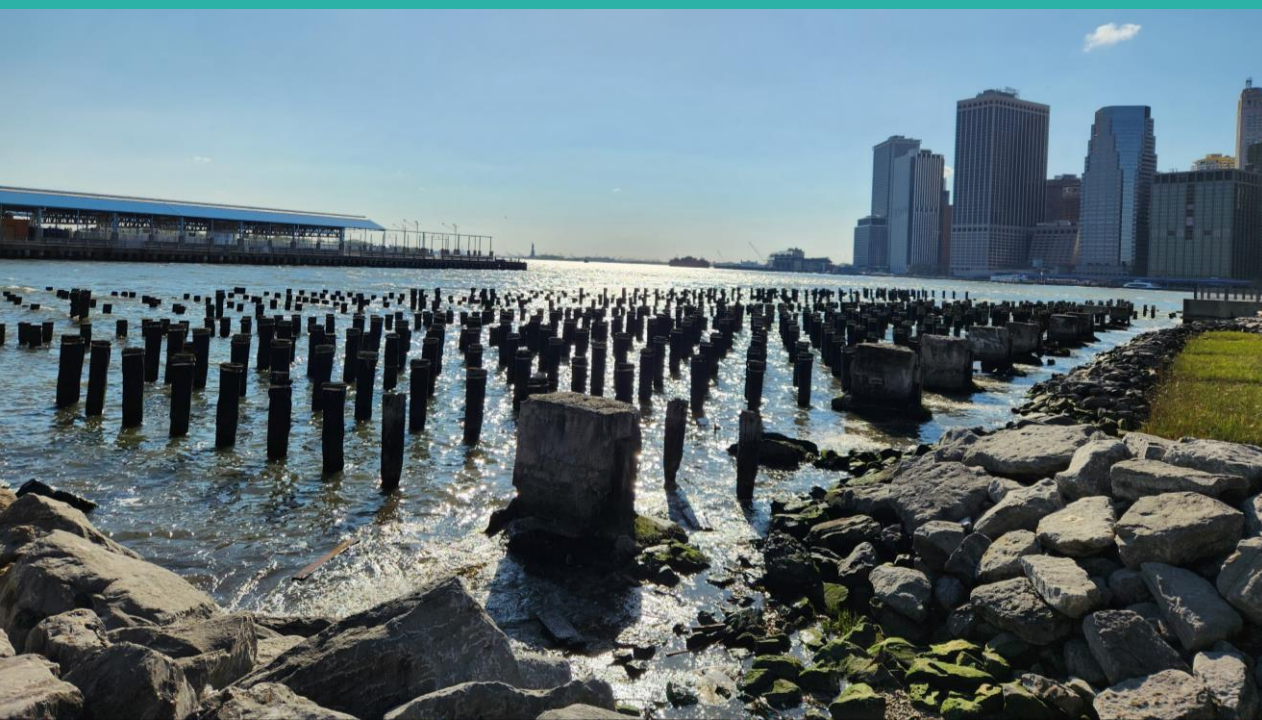
+ We took a closer look at:
Landform and shape, Edge conditions,
Programming, Access, Scale, User
Experience





Hunters Point South

- + Edge conditions
- + Wetland benches (stormwater and tidal)
- + Vegetated wind blocks
- + Variation of pathways and connections



Brooklyn Bridge Park

- Passive and active programming
- Park phasing (north and south ends were built out first)
- Sound berm for sound dampening from the adjacent highway
- Edge condition – beach, stone breakwater, hardening



Little Island

- Lighting
- Signage
- Verticality
- Intensely programmed

We met with..

- + Eric Landau, President of the BBP
 - Funding models, Park Phasing
- + Joseph Sutkowi, Chief Design Officer of the NYC Waterfront Alliance
 - WEDG Verification
- + Moses Gates, VP Housing & Neighborhood planning for the NY Regional Planning Association
 - Green gentrification, neighborhood strategies



Construction Phasing and Sequencing



Partners:



Cleveland Harbor Eastern Embayment Resilience Strategy

05.2023

YEAR 00



0 300' 600'
SCALE: 1" = 300'



Placement process



Placement process



Placement process



The new park plans to have about 20 years of dredge capacity, that is over 4 million cubic yards of material!



CLEVELAND HARBOR EASTERN EMBANKMENT RESILIENCE STRATEGY

CHEERS PHASING + IMPLEMENTATION

07.2023



Phase	New Park Area(AC)	Existing Area(AC)	Dredge Capacity (CY + Years)
The View	17.4	2.4	750,000 (4 yrs)
The Launch & Bay	15	6.1	800,000 (4.5 yrs)
The Isle	15.3	-	900,000 (5 yrs)
Habitat Loop	15	2.1	550,000 (3 yrs)
Gordon Hills	9	9.7	220,000 (1.5 yrs)
The Cove	-	-	950,000 (4.5 yrs)

Funding and Grant Strategy

PROTECT Grant

- + The U.S. DOT is funding Competitive Resilience Improvement Grants through the Promoting Resilient Operations for Transformative, Efficient, and Cost-saving Transportation Program (PROTECT)

 **Mike Vielhaber**  @MVielhaber

A little more video of @ODOT_Cleveland trying their best to keep I-90 west clear from E72 to E55 as Lake Erie splashes over her banks. They're laying down about a years worth of salt and have a least 5 trucks making laps.



3:39 AM · Feb 3, 2023 · 986 Views

 **Mike Vielhaber**  @MVielhaber · Feb 3

I-90 west between E72 and E55 is an icy mess with this north wind pushing Lake Erie over her banks. A semi has crashed just before the E55th exit closing the right lane and the ramp to E55. This will probably be like this all day today.



0:38 1,995 views

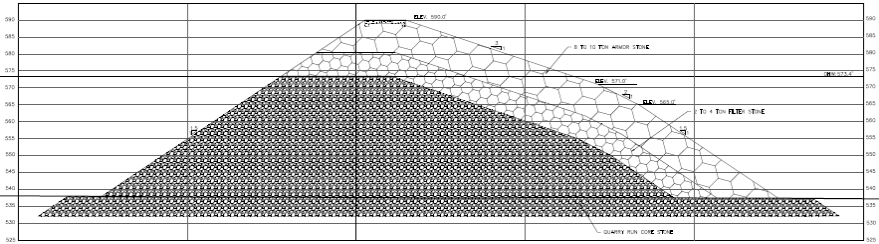
2 7 40 4,787

PROTECT Grant



PROTECT Grant

- + A \$56 million grant award could construct about 900 linear feet of breakwater to protect the most vulnerable portion of I-90
- + Grant submittal due Friday, August 18



NOAA Grant

Climate Resilience Regional Challenge

- + A \$60 million grant award could construct 17 acres of “The View” landform and habitat areas
- + Letter of Intent due Monday, Aug. 21



Putting It All Together



**The View -
NOAA**

**Breakwater -
NOAA or BRIC**

**Breakwater -
PROTECT**

**Breakwater -
USACE or BRIC**



**Landform and Cove -
USACE and NFWF**

CLEVELAND HARBOR EASTERN EMBANKMENT RESILIENCE STRATEGY

CHEERS PHASING + IMPLEMENTATION

07.2023

Partners:



- Grant Application in progress**
- - - Potential Future Opportunities**

How can you support?

- + Consider providing Letters of Support for NOAA and PROTECT
- + Letter Templates can be provided upon request
- + Please return the letters to Kelly at kbc@clevelandmetroparks.com by Friday, August 11.

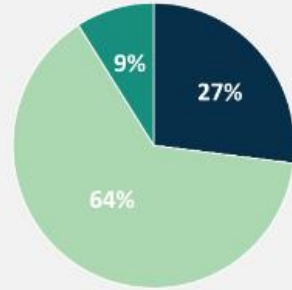
Habitat and Program Refinement

CHEERS Habitat Update

MASTERPLAN

MASTERPLAN (ORIGINAL) – HABITAT %s

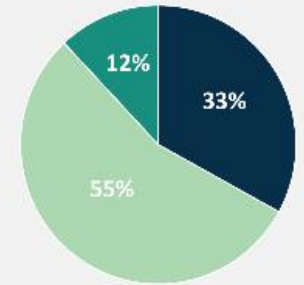
■ Open Water ■ Upland ■ Wetland



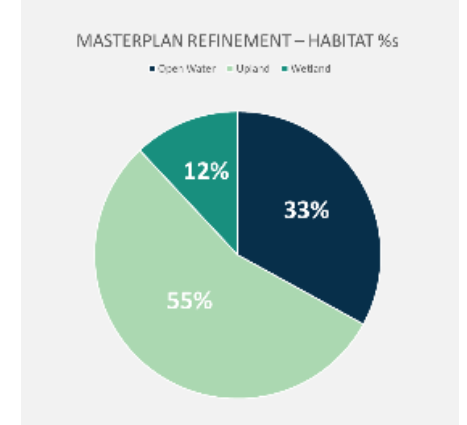
REFINEMENT

MASTERPLAN REFINEMENT – HABITAT %s

■ Open Water ■ Upland ■ Wetland



CHEERS Habitat Update



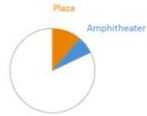
LEGEND

-  Open Water
-  Wetland
-  Upland

CHEERS Program Update

Scale Comparisons + Precent Active Recreation

Little Island
New York, NY



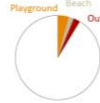
TOTAL AREA: 2.4 acres
PROGRAM AREA: 0.43 acres
TOTAL PROGRAM AREA RATIO: 18%

Voinovich Bicentennial Park
Cleveland, OH



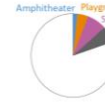
TOTAL AREA: 4.5 acres
PROGRAM AREA: 1.35 acres
TOTAL PROGRAM AREA RATIO: 30%

Hunter's Point
Long Island City, NY



TOTAL AREA: 11 acres
PROGRAM AREA: 0.95 acres
TOTAL PROGRAM AREA RATIO: 9%

Lakewood Park
Cleveland, OH

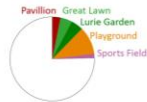


TOTAL AREA: 31 acres
PROGRAM AREA: 6.09 acres
TOTAL PROGRAM AREA RATIO: 20%

Tommy Thompson Park, Toronto, Ontario, Canada
617 acres



Millenium Park+Maggie Daley Park
Chicago, IL



TOTAL AREA: 49 acres
PROGRAM AREA: 11.76 acres
TOTAL PROGRAM AREA RATIO: 24%

Edgewater Park
Cleveland, OH



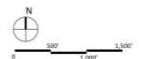
TOTAL AREA: 147 acres
PROGRAM AREA: 25 acres
TOTAL PROGRAM AREA RATIO: 17%

Brooklyn Bridge Park
Brooklyn, NY



TOTAL AREA: 85 acres
PROGRAM AREA: 46.75 acres
TOTAL PROGRAM AREA RATIO: 18%

Northerly Island Park
Chicago, IL



CHEERS Program Update

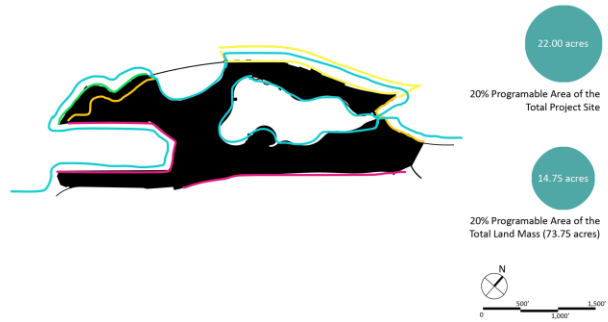
Program Types

	February Community Engagement				Other Programmatic Opportunities
	From Masterplan	Currently Do	Want to do	Excited to do	
WATERS EDGE	Fishing Pier	Fishing	Fishing	Kayak	Lake Front Seating
	Fishing Cove	Sailing	Photo Opportunity	Sailing	Play/ Walk
	Kayak Portage	Kayak	Waterfront Dining	Summer Boat Parties	Fishing Tournament
	Boardwalk Trail	Paddleboard			Ice Fishing
	Marsh Walk	Beaver Watching			Floating Fishing Deck
UPLAND	Overlook	Scooter/ Biking	Food Truck	Camping	Blossom Trail
	Nature Trail	Meditate (sit in car)	Trails	Sports Fields	Recycle Playground
	Habitat Loop	Sunset Watching	Concert/ Live Music	Live Music/ Bandstand	Dredge Materials Play
	Biking/ Walking/ Jogging Loop	Eat lunch		Biking/ Walking trails	Ice Skating
	Nature Playground	Picnic		Mountain Biking	Movie Night
	Open Lawn	Observation		Farmers Markets/ Local Vendors	BBQ Grilling
	Picnic Pavilion	Hiking		Beach Volleyball	Outdoor Fitness
	Picnic Grove	Habitat: stopover for birds		Exercise	Bike Park
	Viewing Pavilion	Bird Viewing		Nature Programs	Outdoor Classroom
	Nature Preserve	Ball Fields		Winter Programs	
	Birding	Playground		Skate Park	Active
	Hiking up the Hill			Picnic	Passive
	Snow Sledding				

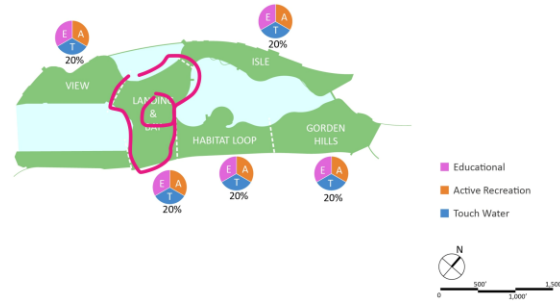
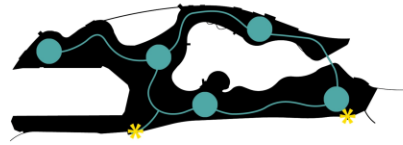
CHEERS Program Update

Program Distribution

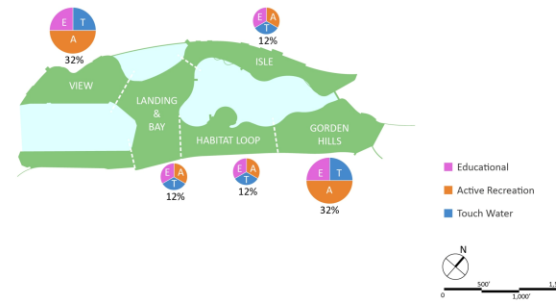
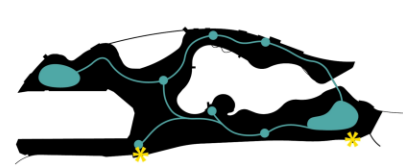
CHEERS: 110 acres (Including open water)



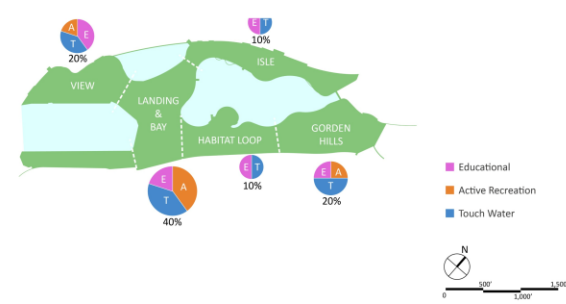
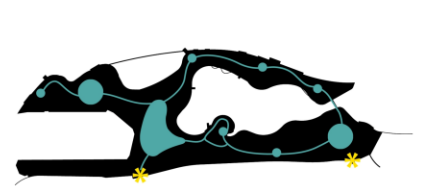
OPTION #1:



OPTION #2:

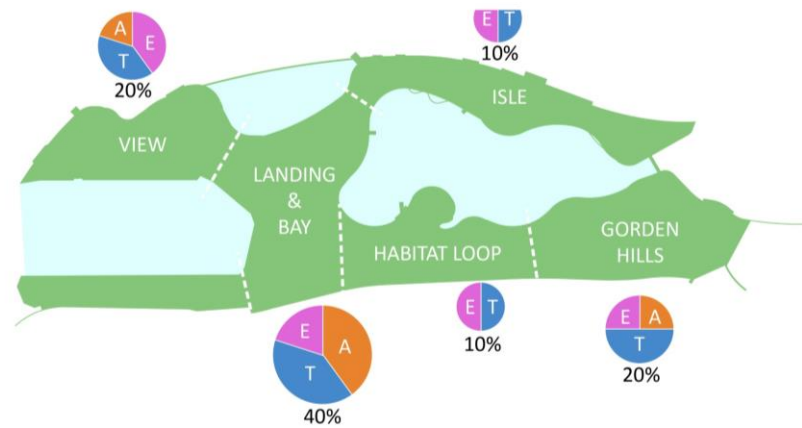
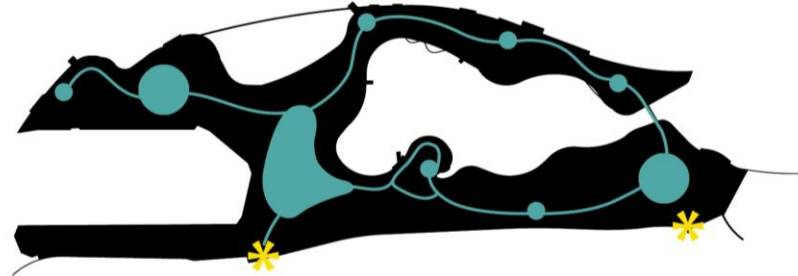


OPTION #3:

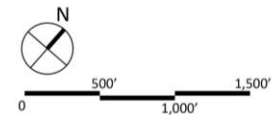


CHEERS Program Update

Program Distribution -Option #3



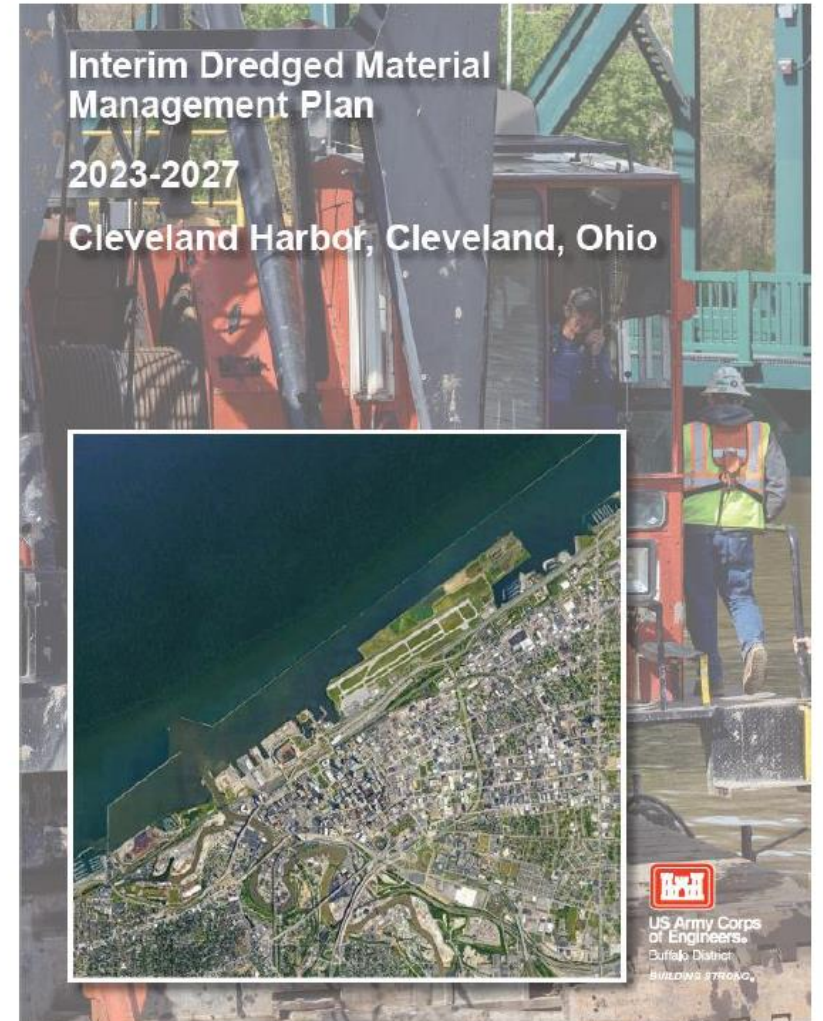
- Educational
- Active Recreation
- Touch Water



USACE Coordination and Benefit-Cost Assessments

USACE Coordination

GOAL: USACE 20-Year DMMP Identifies CHEERS as Recommended Plan for the Federal Navigation Project as a Local Led (Non-Federal) project through a cost-sharing agreement (possibly a 217).



USACE Coordination

Cleveland Harbor DMMP: Alternatives Screening Matrix		Screening Criteria (Populate cells with 1, 2 or 3, with 3 being the highest mark)										
Alt #	Alternatives	Long-Term Capacity: Yes (3), Unknown (2), No (1)	Relative Cost: Low Cost (3), Moderate Cost (2), High Cost (1)	Is there a viable cost- share partner? Yes (3), Maybe (2), No (1)	Ecological Benefit: High Benefit (3), Moderate Benefit (2), Low/No Benefit (1)	Public & Environmental Acceptability: High (3), Moderate (2), Low (1)	Resilience - Coastal & Climate Change: High (3), Moderate (2), Low (1)	Effects on Federal Channel/Commercial Dredging: Meets needs (3), Partially meets needs (2), Doesn't meet needs (1)	Timeframe Available: Near Term (3), Mid- Term (2), Not Available For Long Period (1)	Secondary Benefits (Recreation, Storm Damage Reduction, Other Social): High(3), Moderate(2), Low (1)	Cumulative Score (Total Across All Categories points possible = 7-21)	Rank (1= Highest)
1	No Action (no dredge) (Required by NEPA): Federal Government takes no part in creating a dredge management plan.	0.75	1.75	0.75	1.25	0.75	1	0.75	1.25	0.75	9	13
2a	Federal and Non-Federal Confined Placement (Section 217 Agreement): dredged sediment from the federal navigation channel will be placed at Federal CDF 10B and non-Federal CDF 12 through a Section 217 Agreement with the Cleveland - Cuyahoga County Port Authority.	1.25	1.75	2.5	1.25	2	1	2	2.5	1.5	15.75	3
2b	Confined Placement at CDF 10B and CDF 12 and Limited Open-Water Placement: Similar to above, except 10,000 c.y./year of dredged sediment will be placed at the open-water site, CLA-1.	1.25	1.75	2.25	1.25	1.75	1	2	1.75	1.5	14.5	7
3a	Beneficial Use (Aquatic Ecosystem Restoration) - CHEERS Project (Refined Concept): Dredge material would be repurposed in building the footprint for the CHEERS Islands. This would put large quantities of quality material right by the project location.	3	1.75	2.75	3	2.5	3	2.75	2.25	3	24	1
3b	Beneficial Use of Dredged Material for Shoreline Protection: Beneficially using dredged sediment for storm damage reduction, typically under Section 204 of the Consolidated Appropriations Act as amended; dredged sediment possibly encapsulated in geosynthetic containers and placed in the nearshore to reduced wave energy.	1.5	1.75	1.5	1.75	2	2	1.75	2	2	16.25	2

USACE Coordination

Alternatives Screening Spreadsheets were received back from:

- Cleveland Metroparks
- Port of Cleveland
- City of Cleveland
- Ohio Department of Natural Resources

Thank You!

USACE Coordination

Ongoing Efforts:

- Dredge Material Management Plan (DMMP)
- Benefits Cost Analysis (BCA)

Next Steps:

- Prepare Submittal to USACE
 - 30% Design Drawings
 - Project Cost Information
 - DMMP Alternatives Analysis
 - BCA Analysis

Upcoming Events

Save the Date!

CHEERS Summer Community Update

Virtual, August 10th at 12 PM

Register here today: <http://bit.ly/CHEERSsummerupdate>

Community Conversations

In-Person, Sometime during the week of October 9-13!

Stay Tuned!

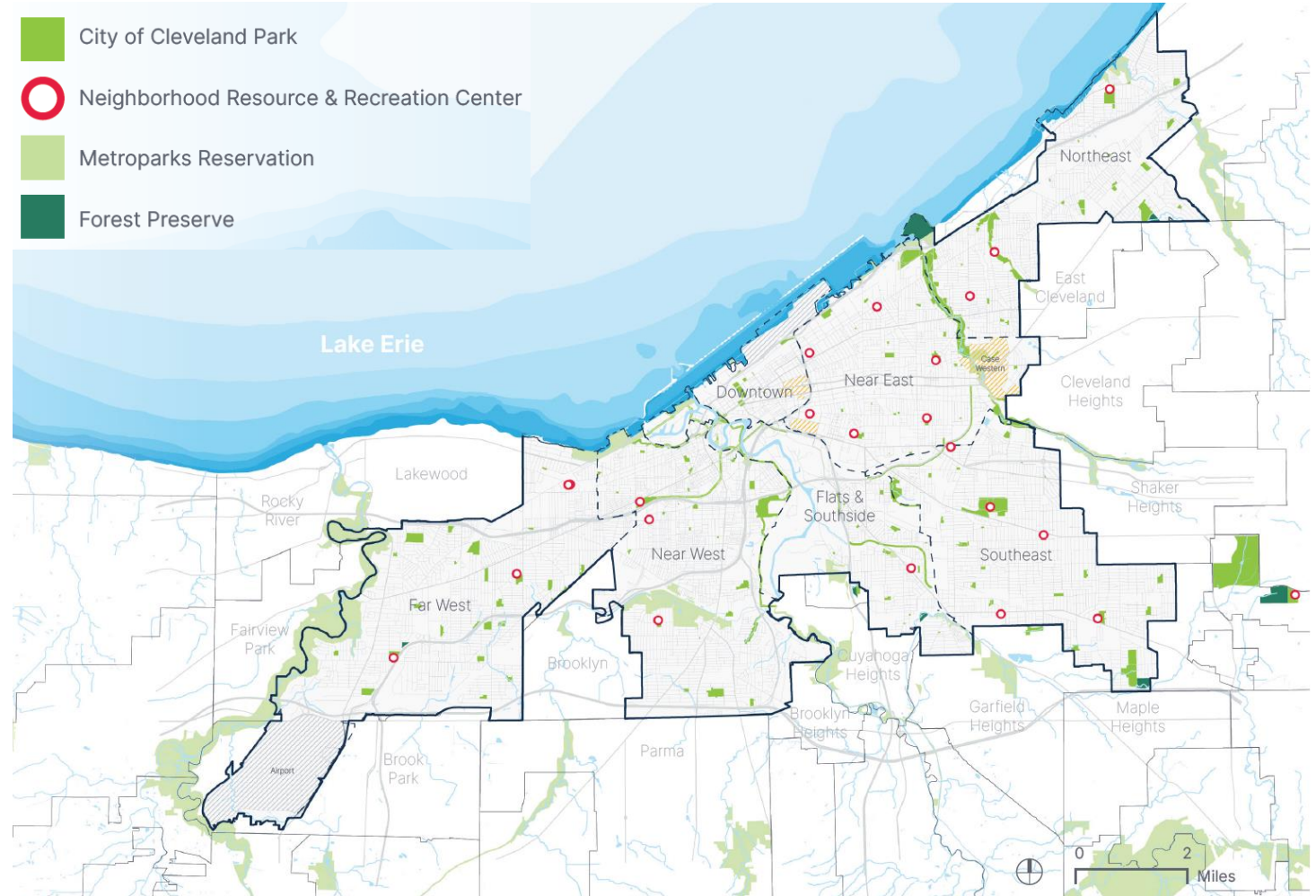
Partner Updates

City of Cleveland Parks and Recreation Master Plan

The City of Cleveland's Mayor's Office of Capital Projects is in the first phase of planning the future of parks and recreation in the city of Cleveland.

The city is working with a consultant team and conducting a collaborative and public-centered planning process.

More information and a survey are at www.cleparcsrecplan.com



City of Cleveland North Coast Harbor



Cleveland wants feedback on downtown lakefront draft plan that includes beach, 'land bridge' with a graceful curve & more

Updated: Jul. 27, 2023, 5:07 p.m. | Published: Jul. 27, 2023, 3:10 p.m.

By [Steven Litt, cleveland.com](https://www.cleveland.com)

See www.clevelandnorthcoast.com for more information and a survey

James Corner Field Operations

Cleveland unveils new vision for downtown lakefront land bridge

Renderings depict images of a Cleveland lakefront land bridge designed by James Corner Field Operations to connect downtown to waterfront attractions including the Rock and Roll Hall of Fame, Browns Stadium, and the Great Lakes Science Center.



THANK YOU!



University Circle & The Cleveland Clinic

St. Clair Superior

MidTown AsiaTown

Glenville

Gordon Park

MLK Jr. Drive

I-90

InterCity Yacht Club

Cleveland Lakefront Nature Preserve



The Gordon Hills

E. 55th Street

I-90



The Launch & The Shore

Downtown Cleveland



The Habitat Loop

Kirtland Park



The Isle

Burke Lakefront Airport



Fishing Cove

55th St Marina

The Bay

The Cove

LAKE ERIE