

Welcome!

*we're expecting more than
100 attendees today!*

*as we prepare for the
meeting, please add your
name and organization to
the chat*

*once we kick things off, we'll
be recording today's meeting
to post on the webpage*

CHEERS Design Team:
Arup, KS Associates, WRT,
Davey, ASC Group, TTL Associates

April 6, 2023





CHEERS

Cleveland Harbor Eastern Embayment Resilience Strategy

Stakeholder Meeting #2

CHEERS Design Team:
Arup, KS Associates, WRT,
Davey, ASC Group, TTL Associates

April 6, 2023



Agenda

Design phase stakeholder kick-off

- Project Overview (5 minutes)
- Recap February Community Engagement Results (10 minutes)
- Upcoming Events (5 minutes)
- Masterplan Refinement Process (15 mins)
- Q&A (15-20)



Welcome Back!

Visit www.clevelandmetroparks.com/cheers
for more information and the complete study



Mentimeter!

<https://www.menti.com/algzu2mfe49t>

**What do you like to see and do at
the lake front in the Spring-time?**

What do you like to see and do at the lake front in the Spring-time?

28 Answers

Love to see all the seasonal migration!

Run

Hiking

Bird watching

Bike

Picnic!

spring blooms

Fly kites

Stand up paddleboarding

What do you like to see and do at the lake front in the Spring-time?

28 Answers

Mentimeter

walk

Watch the birds, the sunset, the waves.

bike rides

Shore fishing

hike with friends

Bird watching / hiking

Enjoy the lake view, sunsets; jog and walk

QUICK dips in the water

Dream about warmer waters for swimming and boating.

What do you like to see and do at the lake front in the Spring-time?

28 Answers

Love to see all the seasonal migration!

Run

Hiking

Bird watching

Bike

Picnic!

spring blooms

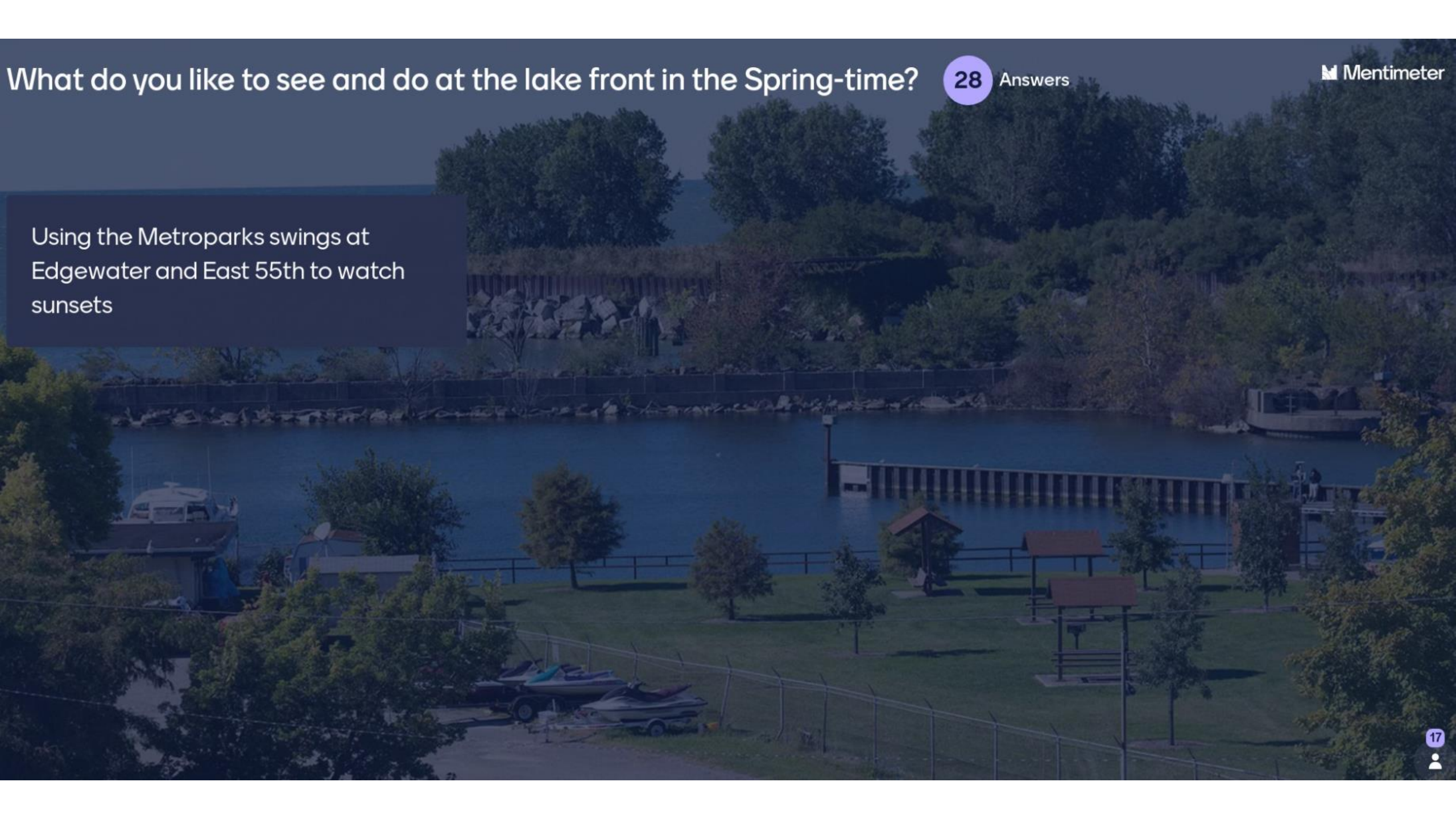
Fly kites

Stand up paddleboarding

What do you like to see and do at the lake front in the Spring-time?

28 Answers

Using the Metroparks swings at Edgewater and East 55th to watch sunsets



Project Partners

Port of Cleveland, Cleveland Metroparks, Black Environmental Leaders, City of Cleveland, ODOT, ODNR

Project Stakeholders

PM Team

Arup, KS Associates, & WRT

Design Team

- ASC Group** Environmental, Cultural, and Historical Consulting
- Arup** Civil, Electrical, Lighting, Sustainability, Transportation, Resiliency, Bridge, Cost Estimating, Financing Strategy
- Davey** Ecology and Habitat Designs
- KS Associates** Coastal Engineering, Surveying and Submerged Lands Lease
- TTL Associates** Geotechnical
- WRT** Landscape Architecture, Community Engagement

Ariel International	Destination Cleveland	MidTown CDC
Bike Cleveland	Dominion Energy	ODNR Division of Wildlife
Bluestone Heights	Downtown Cleveland Alliance	NEORS
Campus District	East Clark Elementary	NOACA
CEI	Bird Nerds	Phastar
City of Cleveland – Wards 7 and 9	Famicos	St. Clair Superior Development Corporation
Cleveland Cultural Gardens	Forest City Yacht Club	Slovenian National Home
Cleveland Museum of Natural History	Friends of Kirtland Park	St. Martin de Porres High School
Cleveland Neighborhood Progress	Glenville	The Foundry
Cleveland State University – MUPD	Greater Cleveland Partnership	Trust for Public Land
Greater Collinwood CDC	Greater Cleveland Regional Transit Authority (GCRTA)	UCI
Cuyahoga Soil and Water Conservation District	Green Ribbon Coalition	Upcycle Parts Shop
Cuyahoga County - Dept of Planning, Public Works, and Public Safety	Holden Parks Trust	USACE
Cuyahoga County Council	Ingenuity	Village of Bratenahl
Cuyahoga Land Bank	InterCity Yacht Club	West Creek Conservancy
Cuyahoga River AOC	Kirtland Bird Club	Western Cuyahoga Audubon Society
Doan Brook Watershed Partners	Kirtlandia Society	Western Reserve Land Conservancy
	Lake Erie Coastal Ohio Trail Scenic Byway	
	Lakeside Yacht Club	
	LAND Studio	

Project Partner Lead Contacts:

ARUP



Kelly Coffman

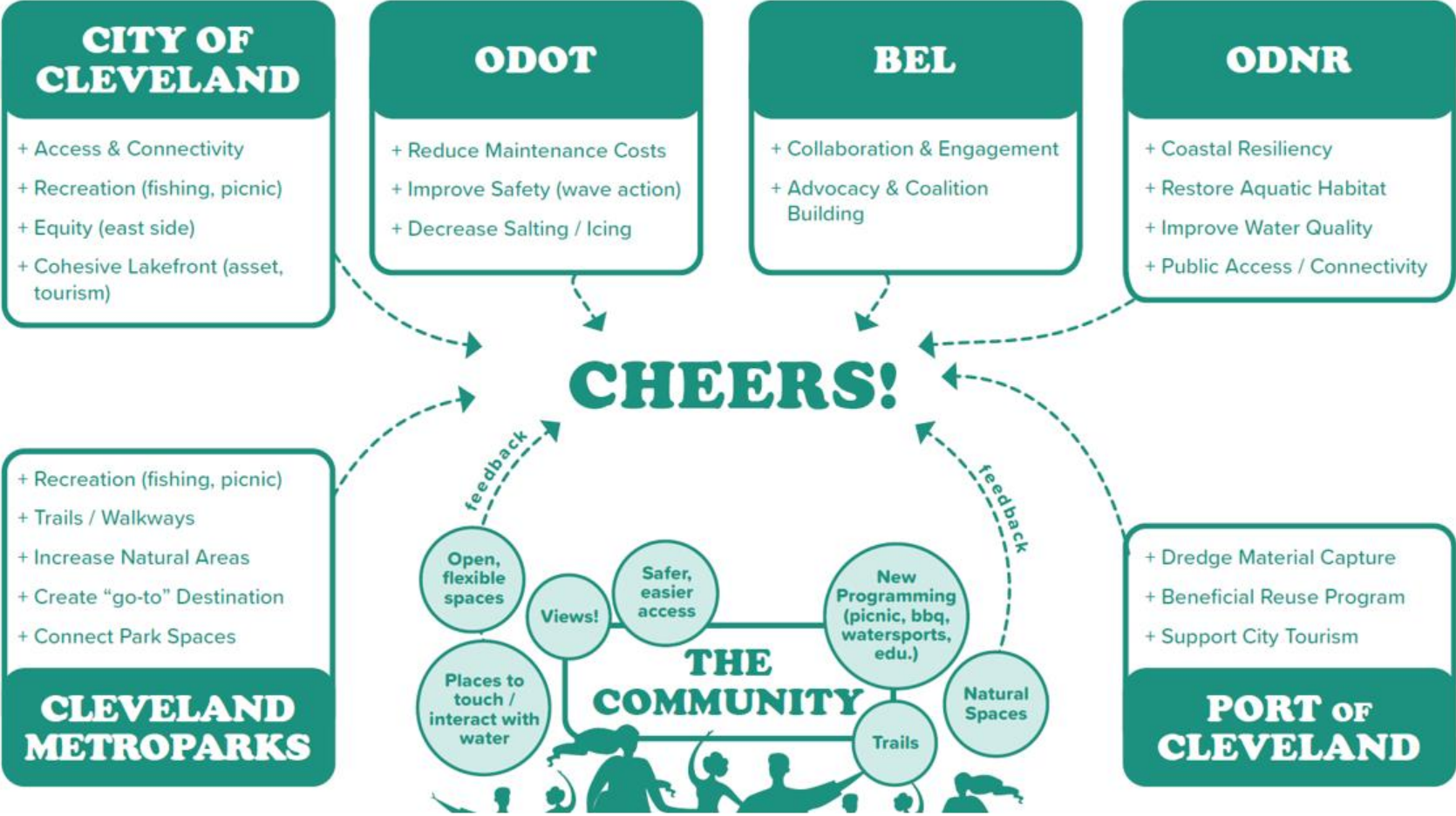
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Linda D. Sternheimer

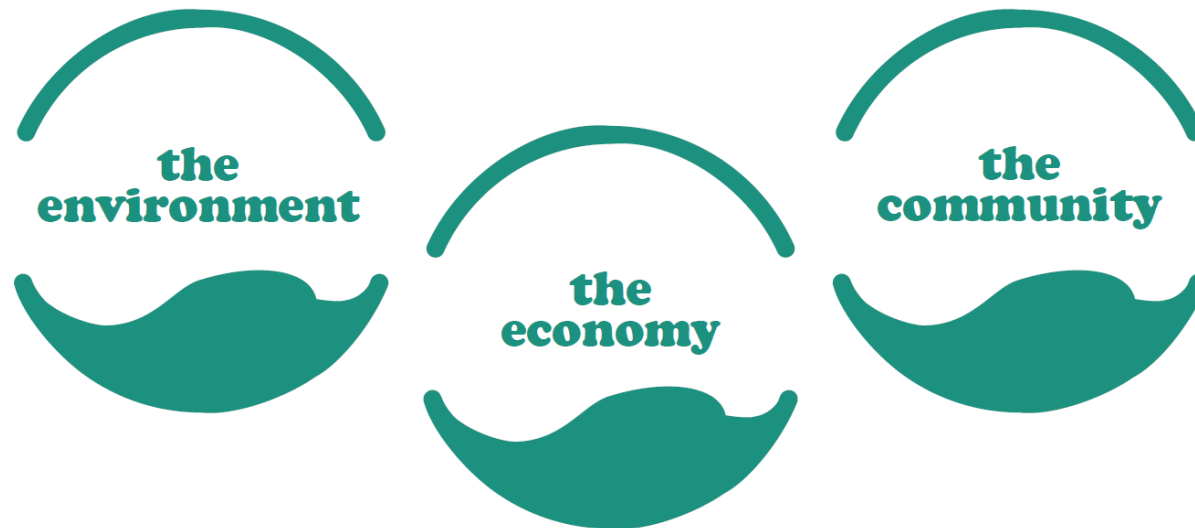
Director, Urban Planning and Engagement
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A clear vision for CHEERS



Resiliency at the lakefront

The strategy is focused on developing an **equitable** and **resilient** future for Cleveland's east side lakefront and centers existing residents



CHEERS Project Tasks and Schedule

we're here!

Site Investigations & Enabling Studies

Engagement

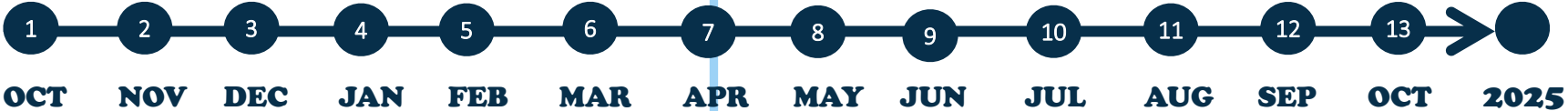
Design & Permitting

Task 1: Site and Technical Investigations

Task 2: Phasing and Implementation Planning

Task 3: Funding Strategy

Task 4: Stakeholder Engagement



Task 5: Masterplan Refinement

6.1 100% Schematic Design, Landside (All Phases) ★

6.2 Permitting (Coastal and Waterway) ★

6.3 90% Construction Documents of Marine Package ★

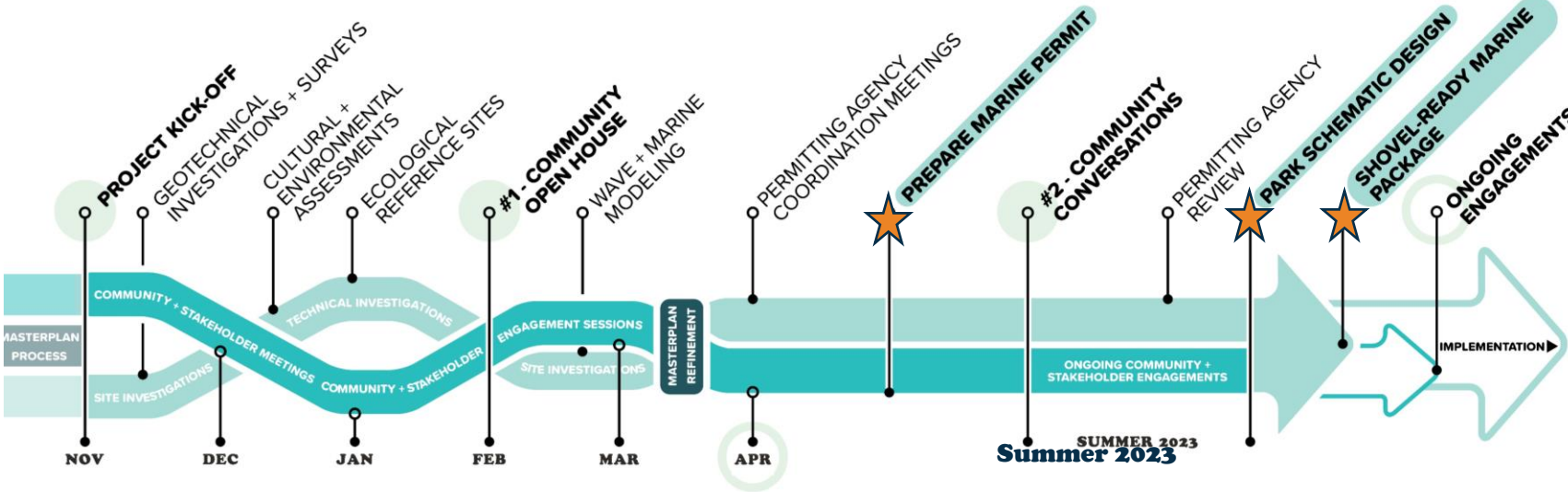
★ Major Grant and Project Milestones

CHEERS Design Process

Site Investigations & Enabling Studies

Engagement

Design & Permitting



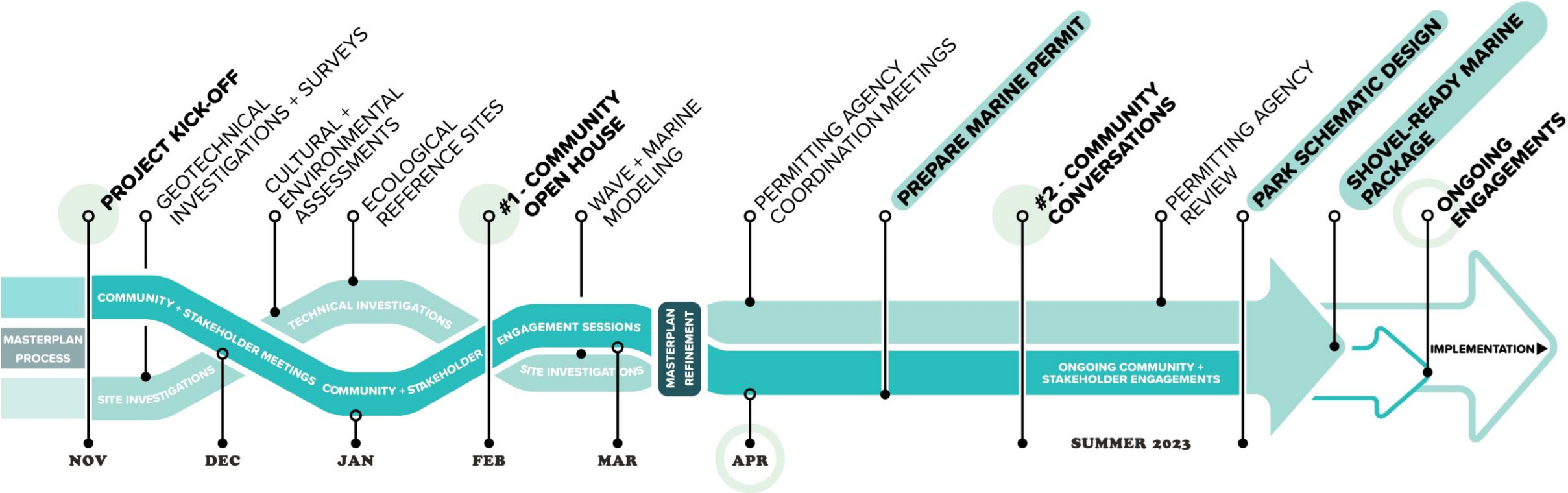
▲ Where we started...

▲ Where we are.

▲ Where we're going!



CHEERS Design Process

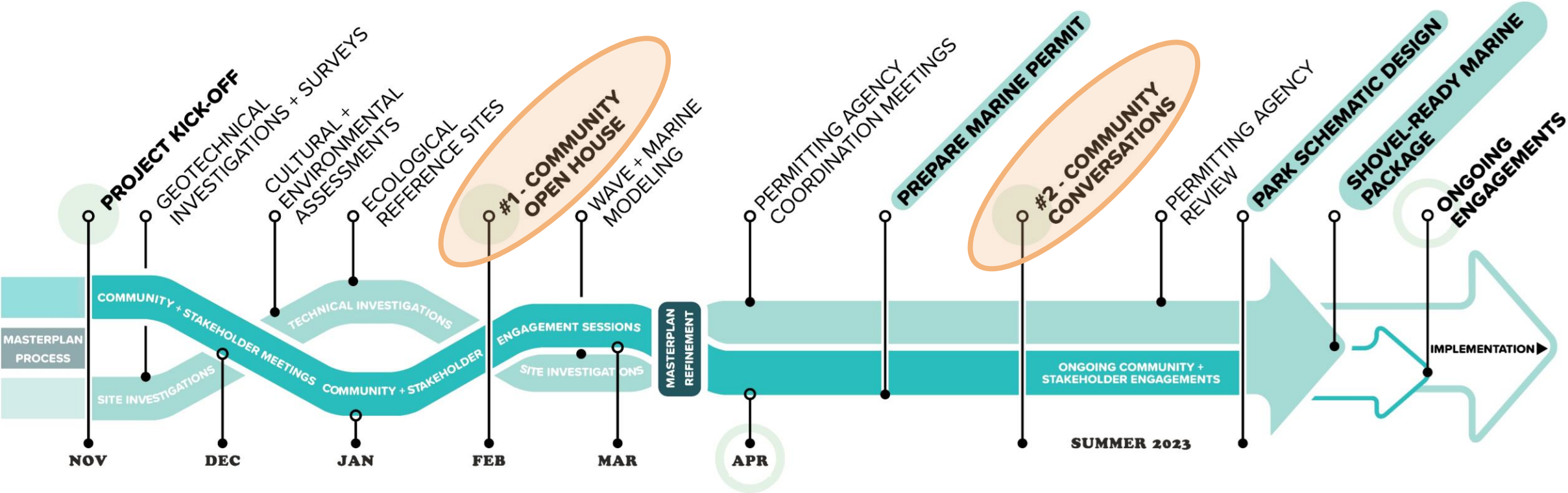


▲ Where we started...

▲ Where we are.

▲ Where we're going!

Engagement



▲ Where we started...

▲ Where we are.

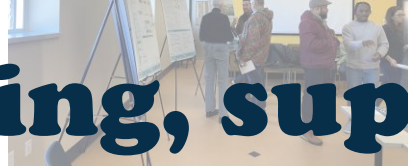
▲ Where we're going!





THANK YOU!

...for participating, hosting, supporting!



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



THE COVE



THE SHORE



GREENWAYS

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



Key Takeaways

Equity + Storytelling

WHAT EQUITY MEANS TO YOU:

Accessibility, provide equal and intentional access to the park and lakefront for the local community

Highlight generational narratives, provide space to hear about the different lived experiences and evolution of the lakefront from the community

More educational opportunities, group events, and programming - especially for kids

SOME OF THE STORIES + MEMORIES:

"I'm excited to take my kids, who will one day take their kids to the park."

"Used to go to Gordon Park to play football and baseball. Not anymore, there's nothing to do."

"I remember before I-90 my brothers and I would run across the road and go to the lake almost every day!"

"MLK and gardens didn't used to exist for us (African Americans). It was forbidden, but I would ride my bike down there to see the lake. Now I am the president of the African American garden."



Key Takeaways

How to Keep the Shoreline Alive

TOP 3 PROGRAMS



SEASONAL
EVENTS



EDUCATIONAL
PROGRAMS
WITH SCHOOLS



WAYFINDING &
SIGNAGE

Creating a 365-park and lakefront experience

Community-generated art and opportunities to incorporate historical markers

TOP 3 ACCESS + CONNECTIONS PROJECTS



CONNECTION
TO NATURE
PRESERVE



LIGHTING
AT HIGHWAY
CROSSINGS



MURALS AT
HIGHWAY
CROSSINGS

Better connections and access to the neighborhood and nature preserve

Safer pedestrian / biking experience and more park & walk/bike options

TOP 3 NATURE/HABITAT PROJECTS



EDUCATION
AROUND
HABITAT TYPES



IN-WATER
NATIVE MUSSEL
CAGES



FISHING PIERS

Educational programming and activities to create more awareness and understanding of why it's important

Key Takeaways

Master Plan Refinement

Connect with Nature

Excitement over the many new plant and animal species

Maintain existing fishing areas during construction until new fishing access is built

Potential programming ideas: community tree care program to adopt/plant a tree

Touch the Water

ENHANCEMENTS TO ACCESS



PEDESTRIAN EXPERIENCE
ACROSS I-90



NEW PEDESTRIAN
BRIDGE

Most use E 72nd St, agree there needs to be improvements to lighting and perception of safety

Consistent and connected bikeways (from the neighborhood and connecting to the west side)

Improvements to Gordon Park pedestrian bridge (visual interest and better ground connection)

Play at the Shore

TOP 3 WAYS TO USE THE LAKEFRONT



BOATING +
KAYAKING



PICNIC /
FLEX SPACE



WALKS /
BOARDWALK SPACE

Better bike infrastructure and access to the lakefront with bike network in the park

Strong interest in water activities – boating, kayaking, and fishing and places to rent equipment

Re-purpose the old aquarium for community use

Virtual Links

You can still participate!

<https://wrt.typeform.com/to/bE2koLPQ>

Survey QR code here:



Also accessible on the Metroparks website!

A screenshot of a website banner for 'CHEERS - CLEVELAND HARBOR EASTERN EMBAYMENT RESILIENCE STRATEGY'. The banner features an illustration of a lakefront with people walking, a person on a kayak, and sailboats. Below the illustration is a navigation bar with a home icon and links for 'About | Planning & Design | CHEERS - Cleveland Harbor Eastern Embayment Resilience Strategy'. The main content area has a green heading 'WE WANT TO HEAR FROM YOU!' followed by text about the survey and a deadline of April 15th, 2023. On the right side, there is a vertical text block: 'CHEERS - CLEVELAND HARBOR EASTERN EMBAYMENT RESILIENCE STRATEGY'.

In-Progress: Upcoming Engagements

Summer 2023

- To coincide with a Third Thursday Neighborhood Event or Local Festivals potentially – *let us know if you have ideas!*
- Planning meetings ongoing with Partners + Design Team - next steps and more information coming soon



In-Progress: Engagement Focus & Goals

Goal: Refined Masterplan and design process and continuing to hone the design moving into the permitting phase

Style: *Smaller worksessions* (breakout groups, pop-up events, etc.)

- discuss topics, design/sketch together with the community, stakeholders, partners and the design team

Focus: Rather than another Open House, we want to have *Community Conversations*

- topics specific to the project moving forward (equity, programming, habitat, environmental justice, education, access, etc...)



Mentimeter! What topics should we focus on for upcoming community engagements? <https://www.menti.com/alnx5jj56ur7>

Go to www.menti.com and use the code 2868 4794

Mentimeter

What topics should we focus on for the ongoing community engagements?

how parks help health

pop up at park

involve kids

waterfront access

access

water activities

neighborhood connections

kids

cove - water activities

habitats

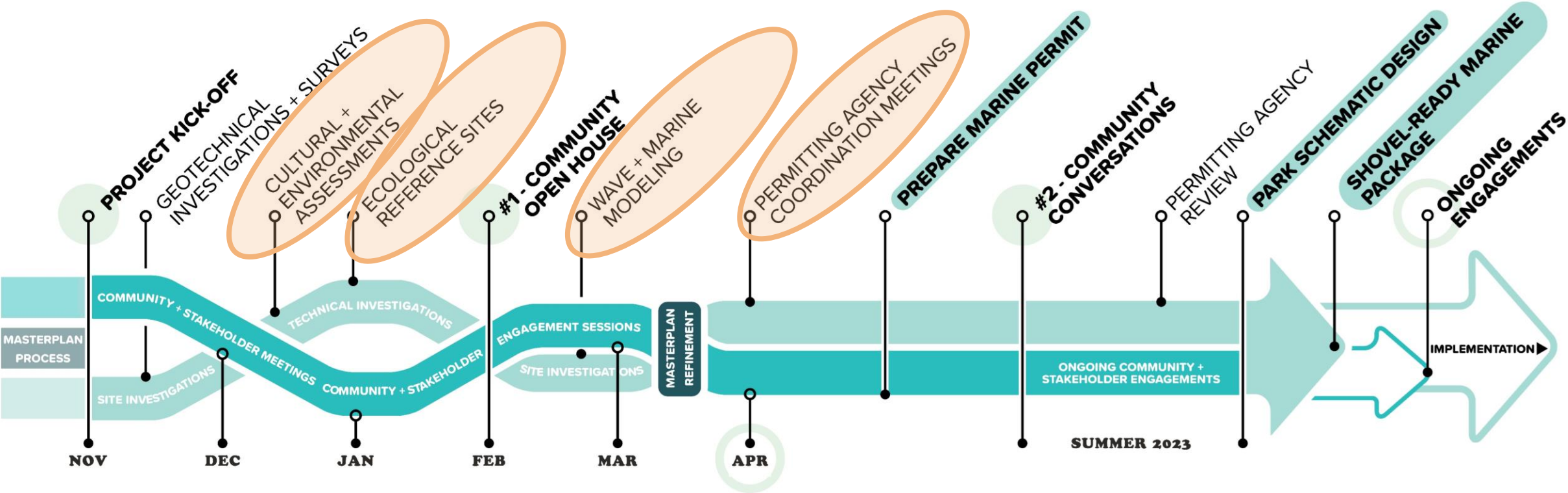
local ecology

shorter term improvements

connections linkages

incremental change

Site Investigations & Enabling Studies



▲ Where we started...

▲ Where we are.

▲ Where we're going!

Site Investigations & Enabling Studies

Cultural and Environmental Assessments



✓ Section 106 Scoping Request

- Status – SHPO Letter Received on February 28
- No further coordination for this portion of the permitting is required. In concurrence with our recommendation the proposed development will have no effect on historic properties. Substantial changes to the project design should be coordinated with SHPO.

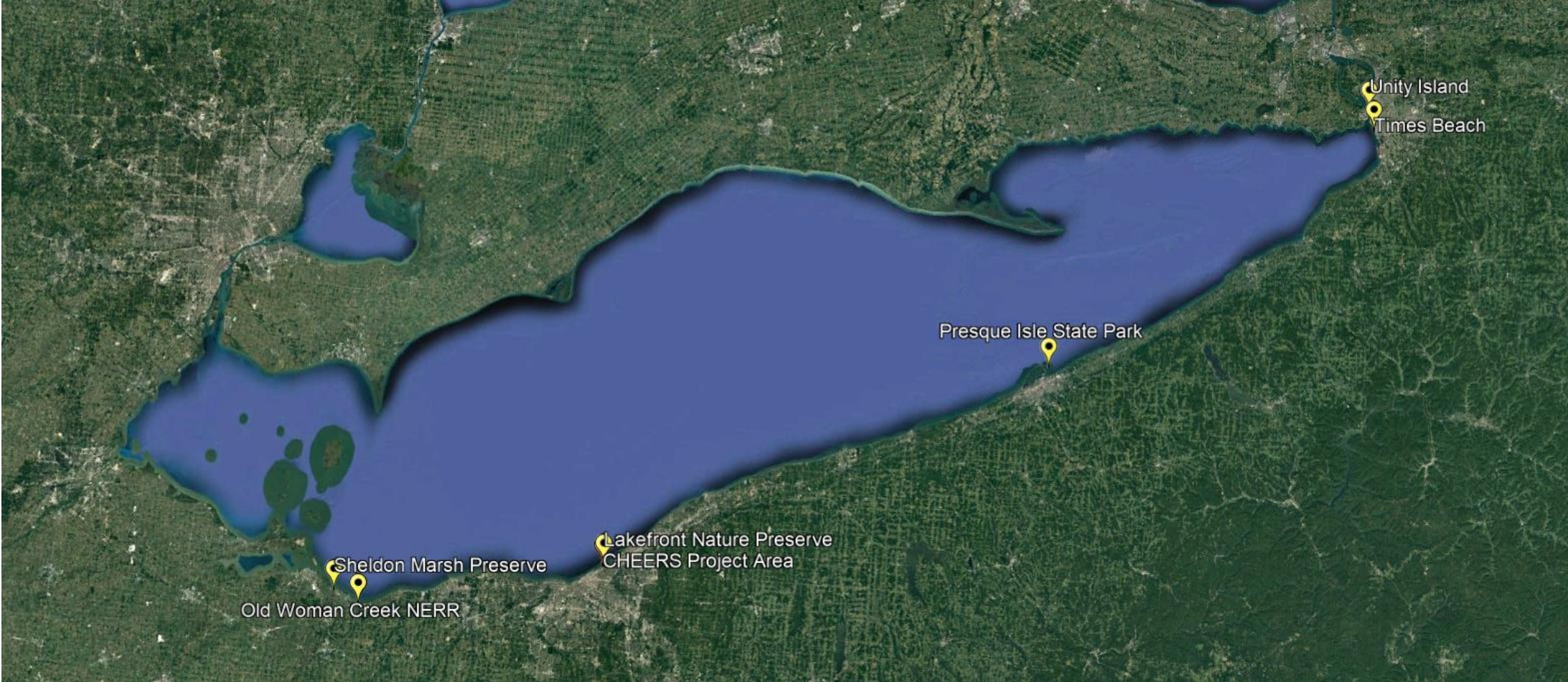
✓ Level 1 Ecological Survey Report

- Status – Submitted to USACE for review on March 31
- Based on potential fly ash, bottom ash, and boiler slag contamination or use as fill supporting the modern shoreline and the Lakefront Reservation and Fishing Area (Parcel# 105-35-001), a *Phase II ESA is recommended prior to soil disturbance on this parcel*. The point of origin of the potential contamination is the former Lake Shore Coal-Fired Power Plant.
- *Excavation within 300-ft of the boundaries of the Gordon Park Landfill will require a Chapter 513 Permit from the Ohio EPA*. This limit affects the easternmost extent of the breakwater for the E. 72nd Street boat launch and the Intercity Yacht Club.



Site Investigations & Enabling Studies

Reference Site Identification



"Naturalized" Dredge Disposal Areas

Natural Areas / Preserves

Site Investigations & Enabling Studies

Reference Site & Habitat Zone Analysis



Naturally Occurring Habitat Zones

- Deepwater (>4' water depth)
- Shallow Marsh (<4' water depth)
- Wetlands
- Grassland
- Upland Forest

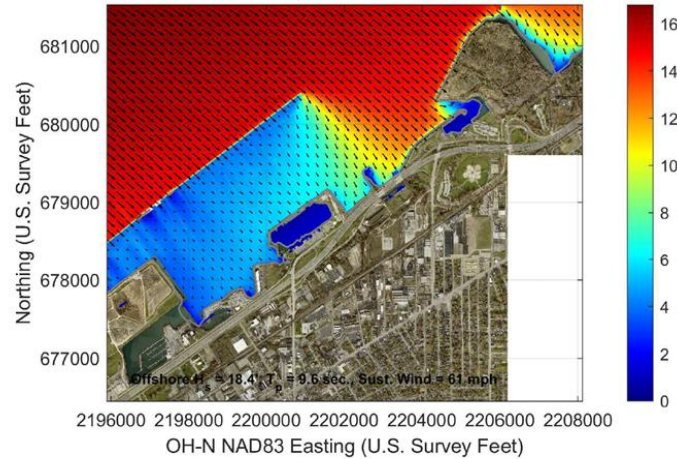
Human Dependent Habitat Zones

- Barrier Beach
- Revetments and Bioengineered Walls/Breakwaters
- Green Infrastructure/Stormwater Management

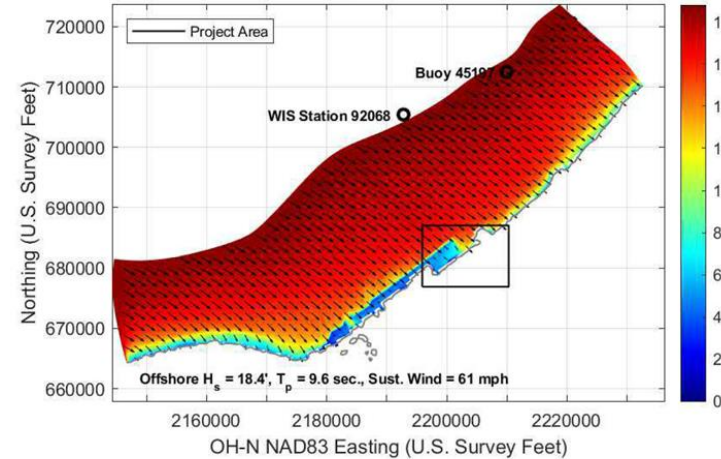
Site Investigations & Enabling Studies

Metocean & Wave Modeling

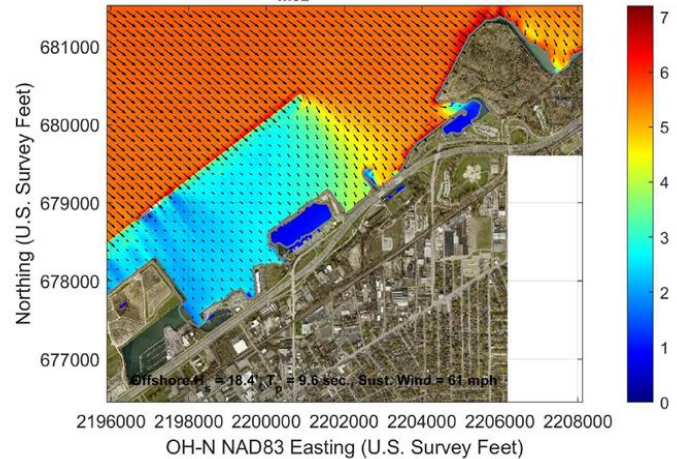
1% Annual Chance (100-Year) H_s (feet), Offshore Waves & Winds from 301°



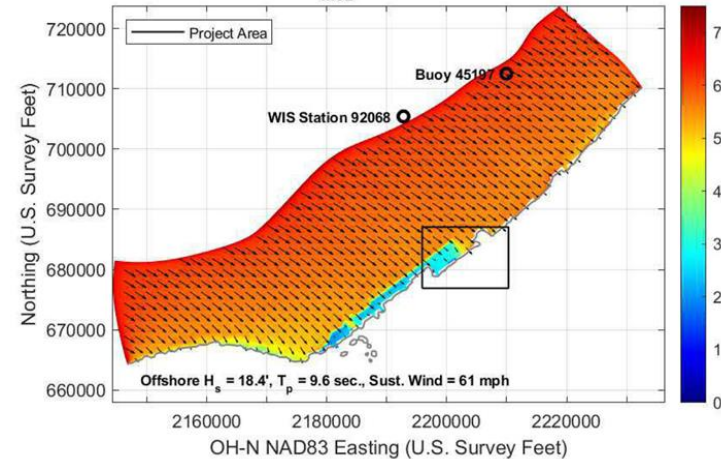
1% Annual Chance (100-Year) H_s (feet), Offshore Waves & Winds from 301°



1% Annual Chance (100-Year) T_{m02} (sec.), Offshore Waves & Winds from 301°



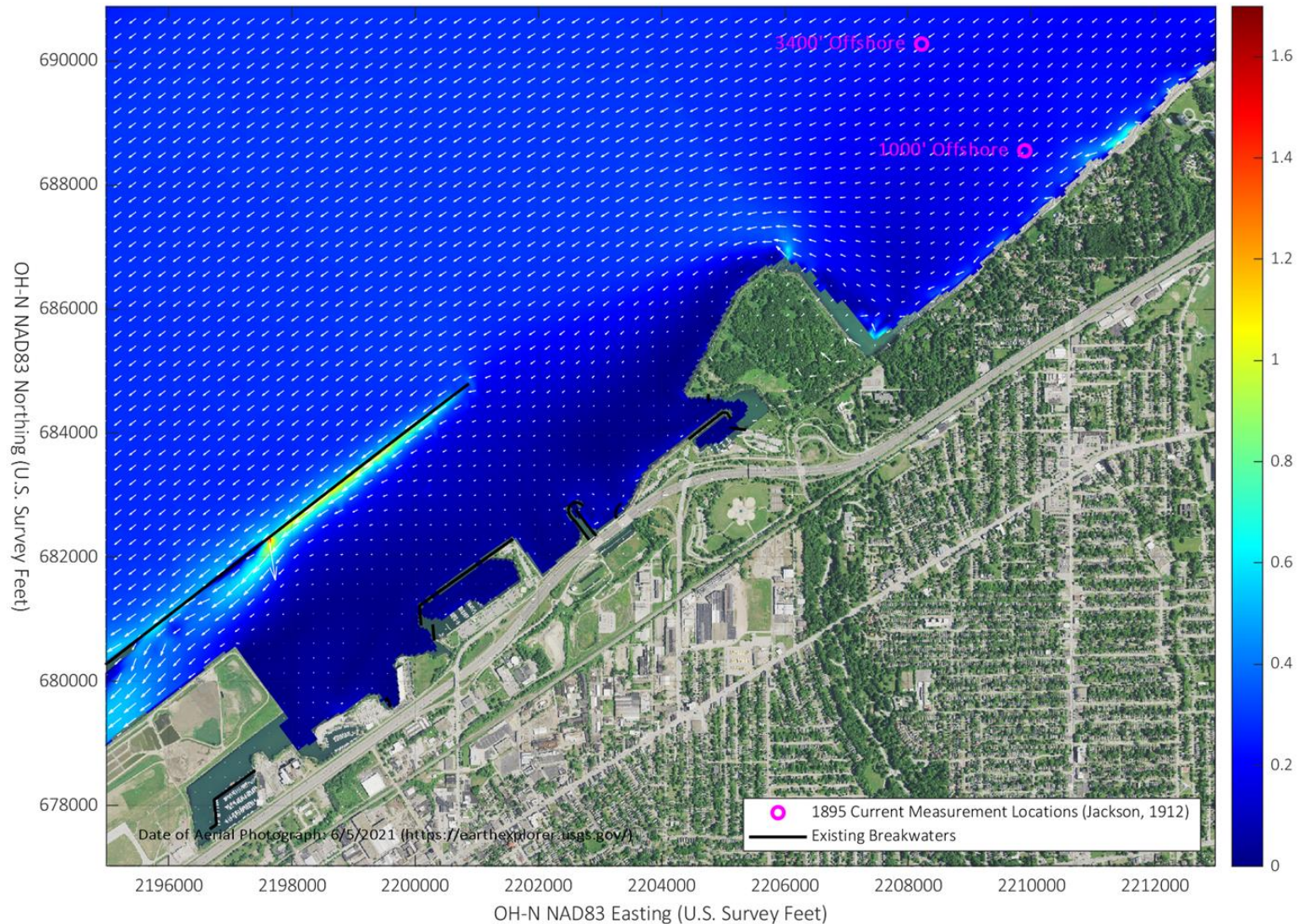
1% Annual Chance (100-Year) T_{m02} (sec.), Offshore Waves & Winds from 301°



Site Investigations & Enabling Studies

Delft3D-FLOW Model

ARUP



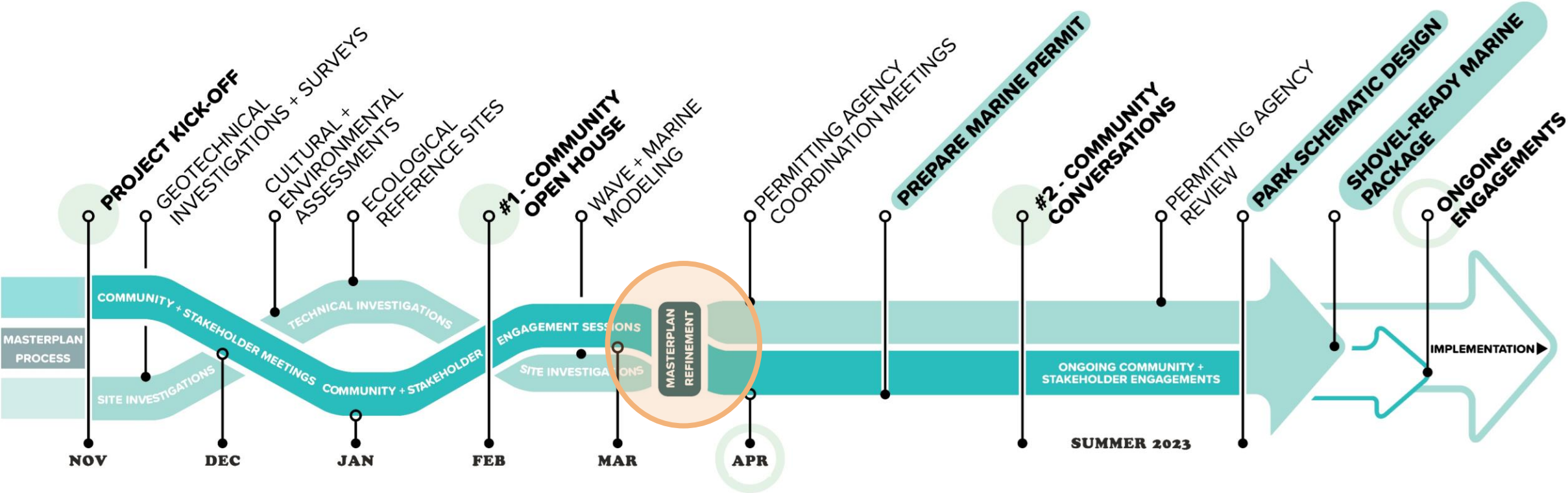
Permitting

- U.S. Army Corps of Engineers
 - Section 404 Permit
 - Section 10 Permit
 - Section 408 Review
- Ohio Department of Natural Resources
 - Shore Structure Permit
 - Submerged Lands Leases
 - Consistency Certification
- Ohio Environmental Protection Agency
 - 401 Water Quality Certification
- U.S. Coastal Guard
 - Private Aids to Navigations
- Agency Coordination
 - Ohio History Connection
 - ODNR Division of Wildlife
 - U.S. Fish and Wildlife Service
 - City of Cleveland
 - Cleveland-Cuyahoga County Port Authority

Permitting Coordination

- Initial coordination meetings - December 2022
- Data Collection and Masterplan Refinement
- Regulatory update meeting - March 2023
- Prepare Permit Applications and Supporting Documents
- Application Submittal – Summer 2023
- Continue Coordination During Reviews

Masterplan Refinement



▲ Where we started...

▲ Where we are.

▲ Where we're going!

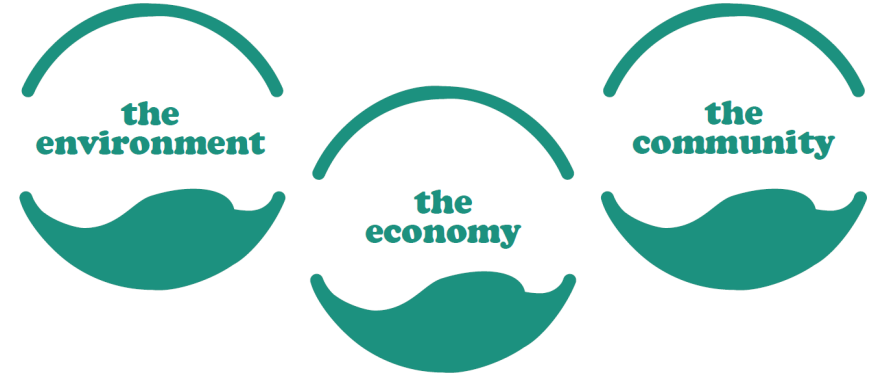
Masterplan

A Refresher



Design Refinement Goals

Creating a plan that maintains and expands on the CHEERS resiliency vision



Reduce the cost by reducing the overall length of breakwater, while maintaining dredge fill capacity (20-years)



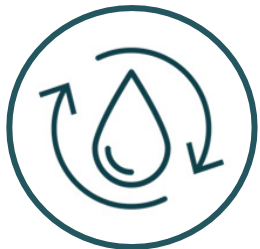
Address trash reduction, and consider overall park operations and maintenance



Expand ecology by creating diverse, site-appropriate terrestrial and aquatic habitats



Expand upon the priorities identified in the Masterplan for programmatic opportunities, and continue to develop and refine the park programs based on community outreach events



Reduce the risk of adverse affects to water quality, provide movement of water through the cove to address water quality concerns



Improve park access, links to the neighborhood and community, and expanded parking for new park amenities

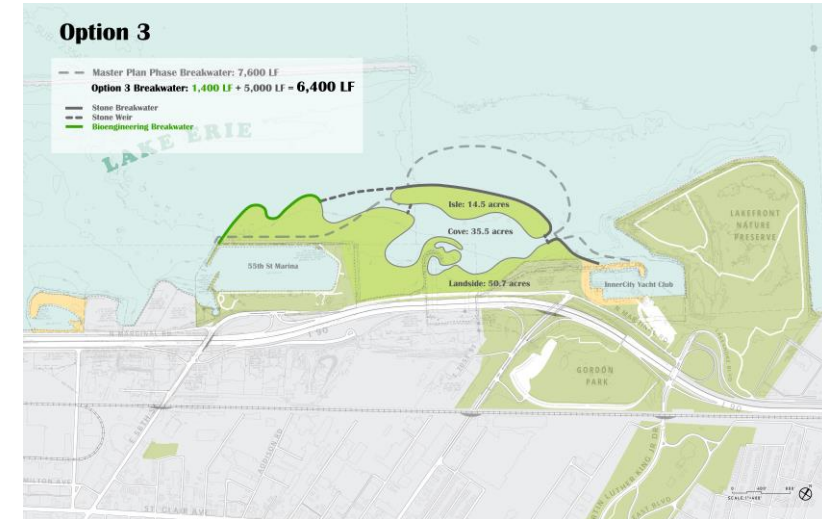
“Optioneering”

Strategies to Refine the Masterplan

SHIFT West

NARROW Isle

EXPAND Landside



Master plan Phase

Option 1

Option 2

Option 3

BREAKWATER PERIMETER

7,600 LF

5,600 LF

7,200 LF

6,400 LF

LANDMASS

Land side: 35.7 acres
Isle: 35.2 acres
Cove 40.8 acres

Land side: 34.5 acres
Isle: 35.8 acres
Cove 33.5 acres

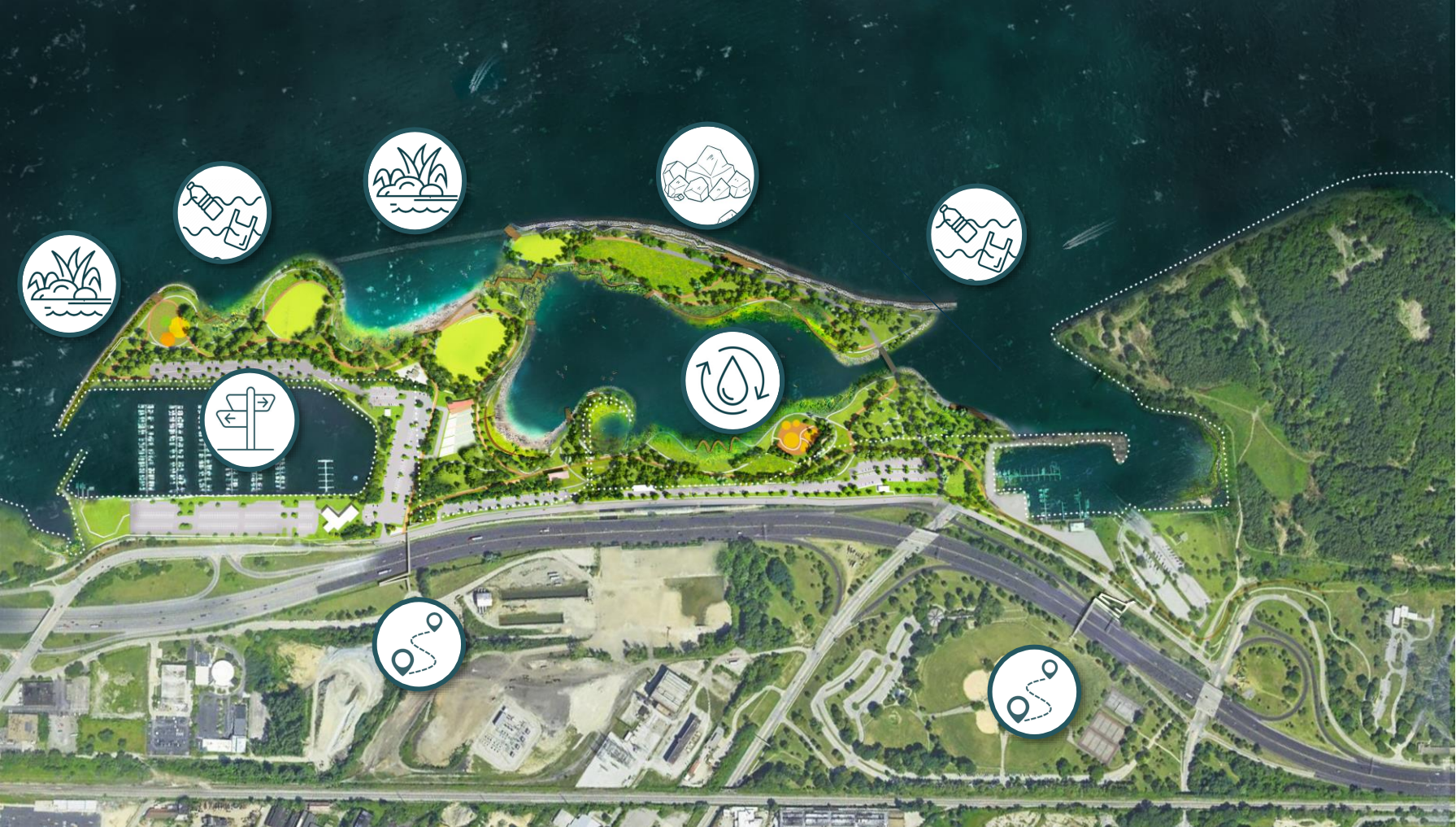
Land side: 37.5 acres
Isle: 32.5 acres
Cove 30.0 acres

Land side: 50.7 acres
Isle: 14.5 acres
Cove 35.5 acres








The Refined Plan

The 'Barrier Island'



Design Refinement Goals

-  Reduce Length of Breakwater
-  Expand Habitat
-  Water Quality
-  Debris Reduction
-  Expand Programmatic Opportunities
-  Improve Site Access

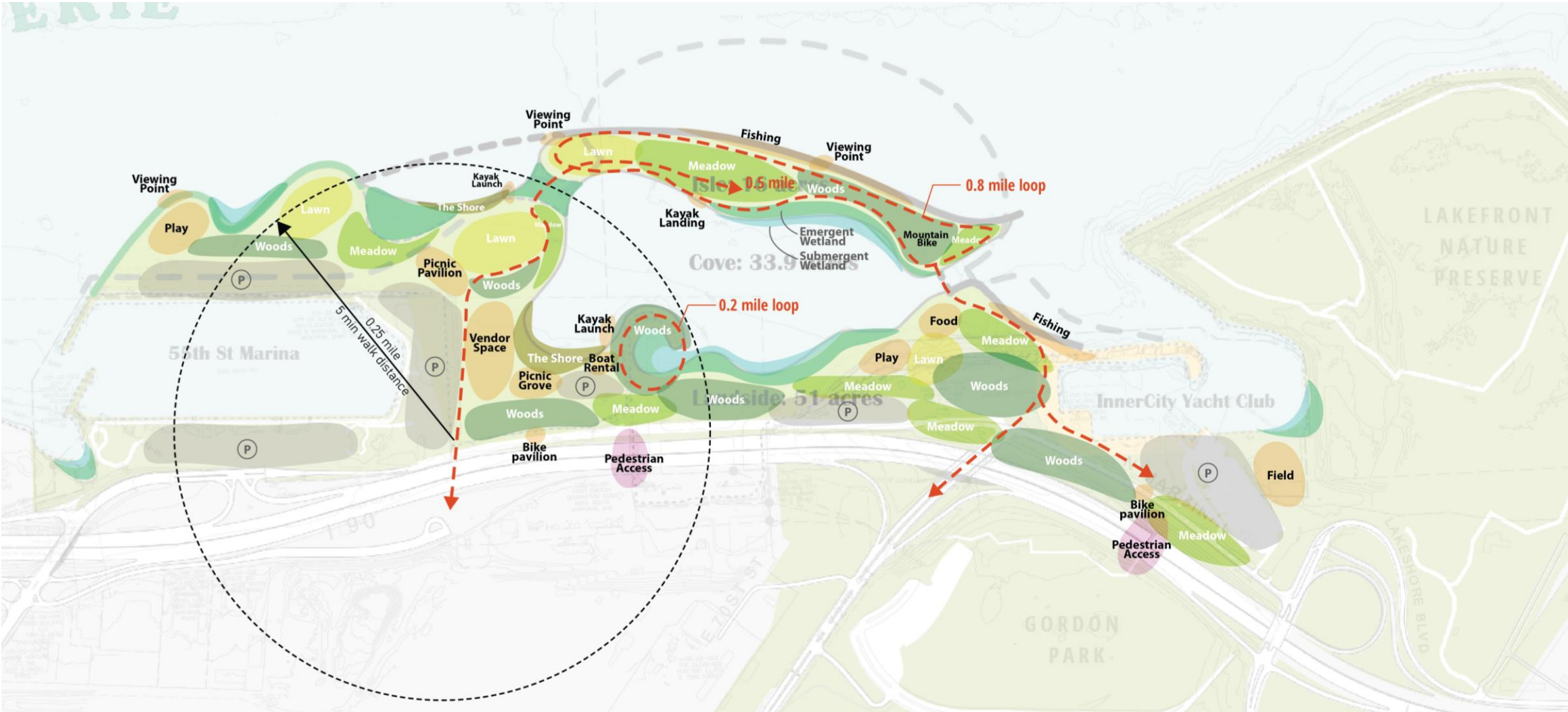
The Refined Plan

The 'Barrier Island'



The Refined Plan

Programming and Trail Connections



Q & A