



**¡Construyamos  
juntos el futuro de  
la costa del lago  
Monona!**

**Let's build the future  
of Lake Monona's  
Waterfront  
together!**

**Cia peb los tsim lub  
Pas Dej Monona nyob  
rau ntawm ntug dej ua  
ke!**

**SASAKI**

**city** ciudad  
lub nroog

comunidad  
zej zos

**community**

**lake** lago  
Pas dej



# Additional Conversations

Conversaciones adicionales | Txhab ntxiv cov kev sib tham

**1. Mad Ski Team**

**2. Brittingham Boat House (x2)**

**3. John Nolen Drive Engineering**

**4. Urban Assets (x2)**

**5. EQT by Design (x2)**

**6. Madison Boats**

**7. Bayview Foundation**

**8. UW-Madison, CEE Water Resources Engineering**

# 3 Days in Madison!

3 dias en Madison! | 3 hnuv nyob rau hauv Madison!



A person is sitting on a wooden bench with a black metal frame, positioned on a concrete pad. The bench is situated on a grassy bank covered with fallen autumn leaves. In the background, a large body of water stretches across the frame, with a distant shoreline visible under a soft, hazy sunset sky. A large, leafless tree stands on the left side of the image.

# Key Findings

**Resultados clave**

**Cov kev tshawb pom  
tseem ceeb**

# Due Diligence

Diligencia debida | Kev tsom xam xyuas qhov chaw

## HISTORY

- Cultural History of Indigenous Communities
- Cultural History of Immigrant Communities
- Lake Historical Footprint
- Historical Ecology Context
- Historical planning & Architecture
- Historical land use

## DEMOGRAPHIC

- Race and Ethnicity
- Languages
- Age
- Disabilities

## CLIMATE

- Temperature
- Precipitation
- Humidity
- Wind Conditions
- Extreme Weather Conditions
- Snow Depth
- Climate Change & Future Trend

## PUBLIC ENGAGEMENT

- Desired Programs
- Inclusivity
- Accessibility
- Missing Voices
- Language Availability
- Local Arts

## UTILITY, O&M

- Sanitary Sewer
- Stormwater Sewer
- Existing O&M
- O&M Needed Assessment

- Landscape Performance
- Invasive Species
- Native Animal Species
- Native Plant Species
- Nearby Nurseries
- Habitat Inventory
- Forest Type
- Land cover
- Existing canopy & Tree inventory
- Soil Survey
- Ecological Landscape

## ECOLOGY

- Bathymetry
- Water Levels & Flood
- Currents
- Water Quality
- Pollution and Algae Bloom
- Source of Pollutants
- Topography
- Slope
- Soil Type
- Soundscape
- Views and Sightlines

## LAKE MONONA WATERFRONT

- BMPs
- Local Stormwater Practices
- Existing Infrastructure
- FEMA, Floodplain, Flood Risks
- Draining Pattern
- Watershed
- Context Waterway System

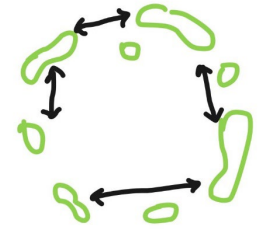
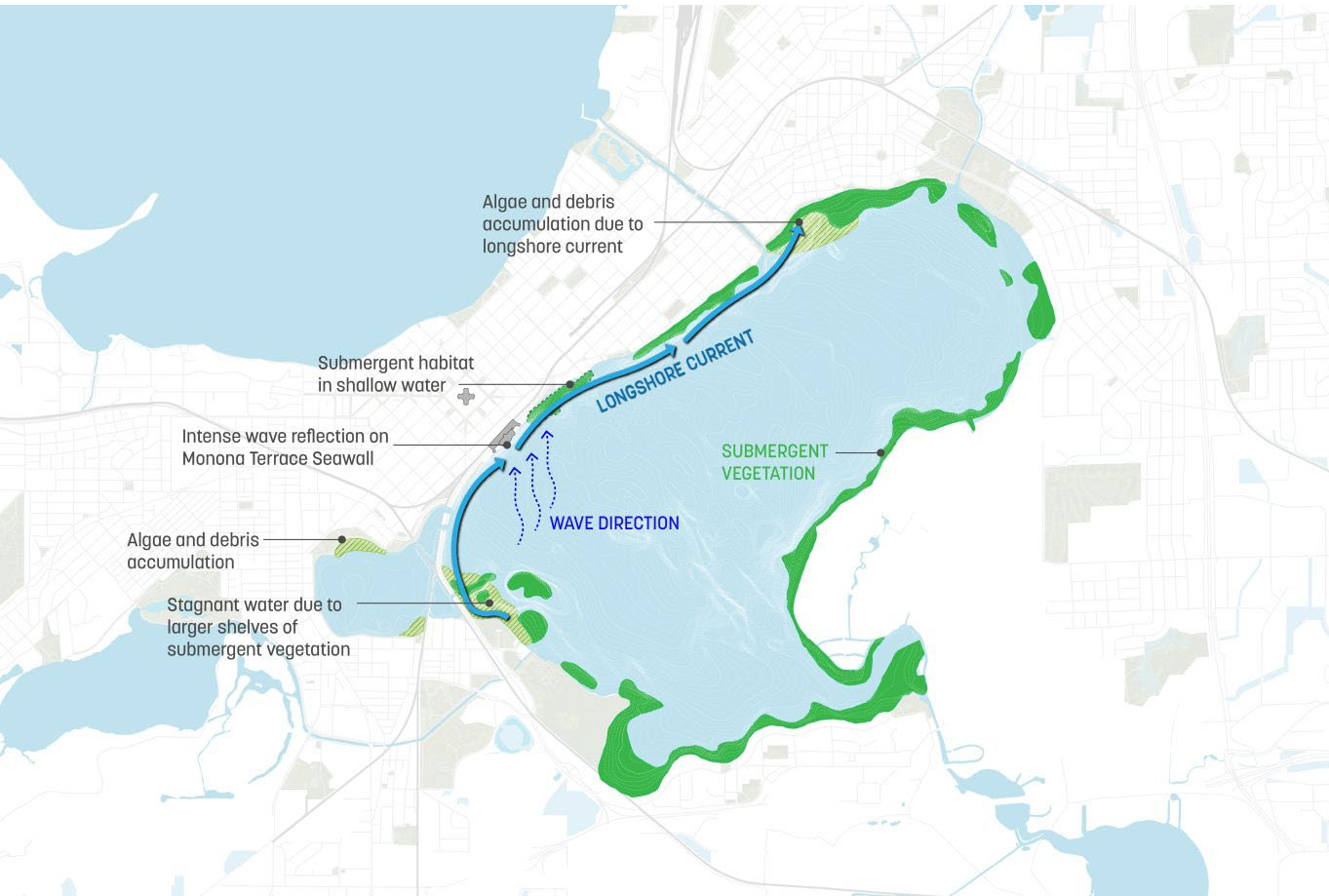
## WATER RESOURCES

- Accessibility
- Pedestrian
- Bike Safety
- Bike Route
- Water Transportation
- Public Transportation
- Parking
- Vehicular Traffic Pattern

## TRAFFIC & CIRCULATION

# Lake Ecology

Ecología del lago | Pas dej muaj ntau yam tsiaj

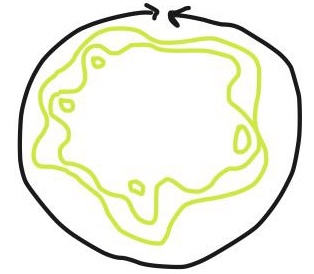


- Fragmented submergent vegetation.



# Lake Ecology: Strategies

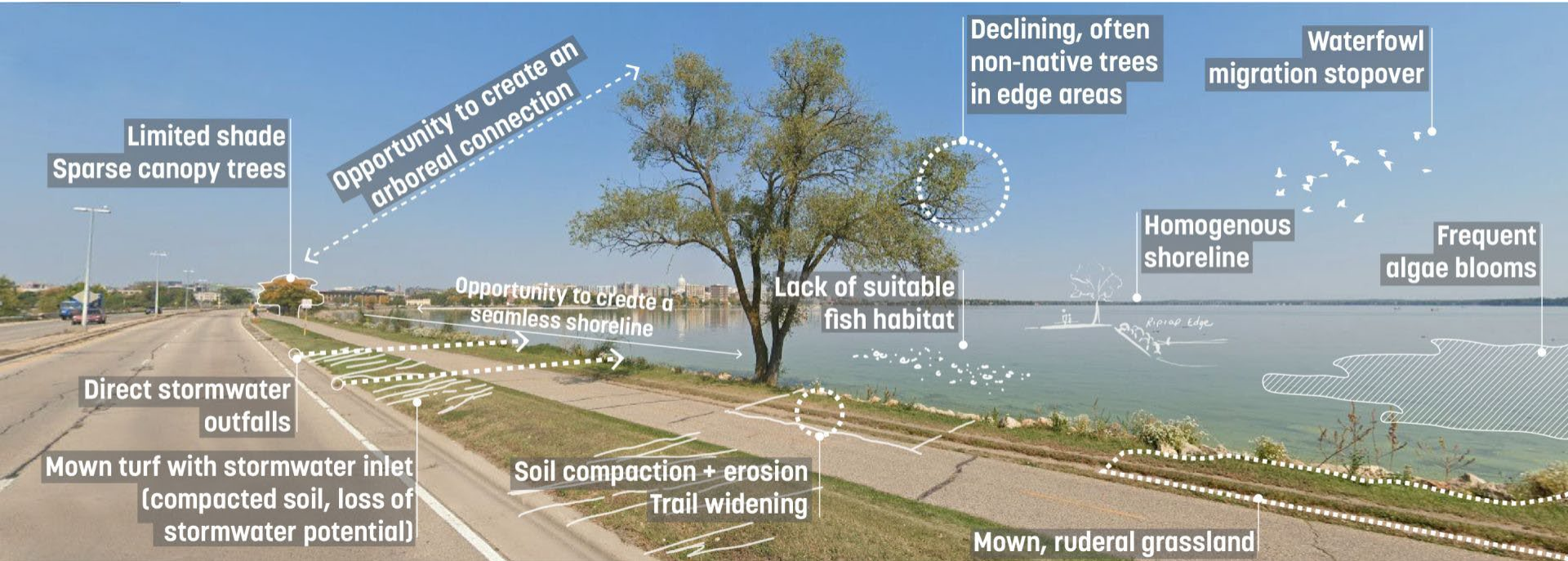
Ecología del lago: estrategias | Pas dej muaj ntau yam tsiaj: Cov tswv yim



- The Waterfront site is an important missing link to create greater connectivity along the lake edge.

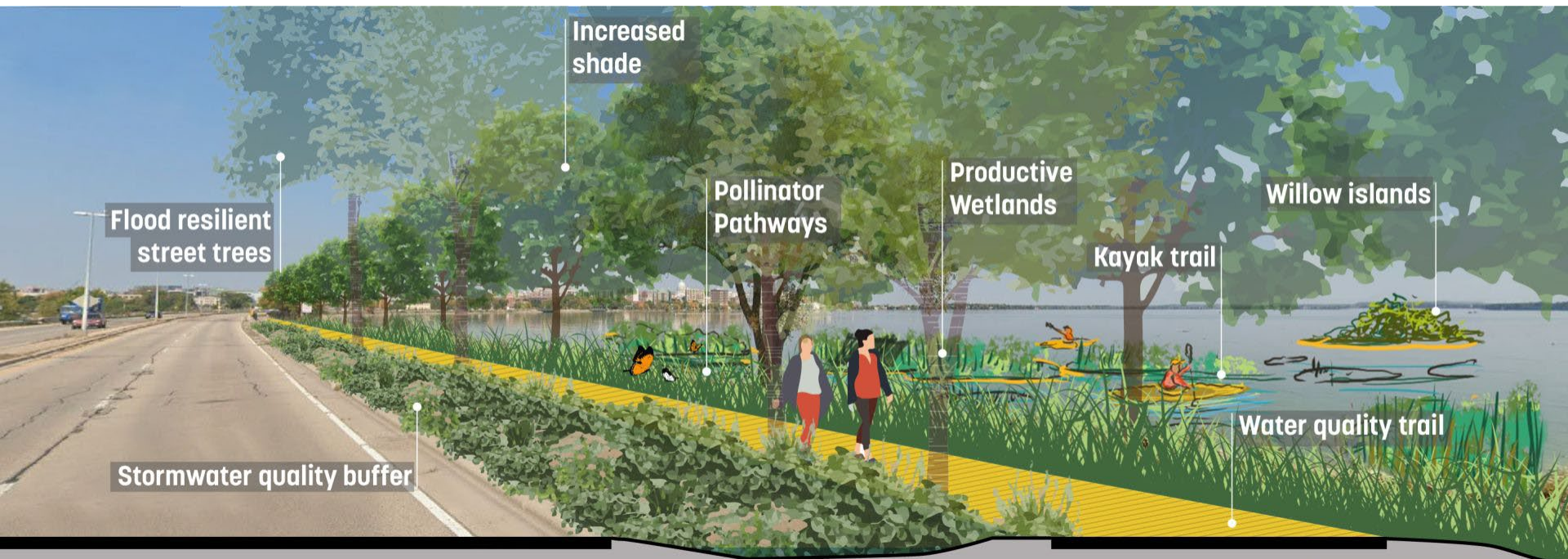
# Lake Ecology: Existing Conditions

Ecología del lago: condiciones existentes | Pas dej muaj ntau yam tsiaj: Cov kev peev xwm tam sim no



# Lake Ecology: Strategies

Ecología del lago: estrategias | Pas dej muaj ntau yam tsiaj: Cov tswv yim

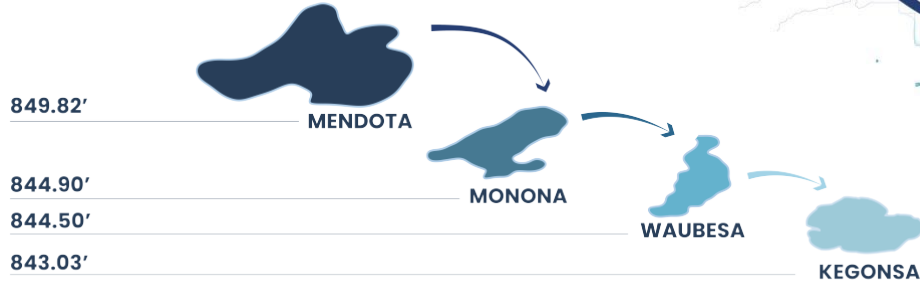


# Lake Hydrology

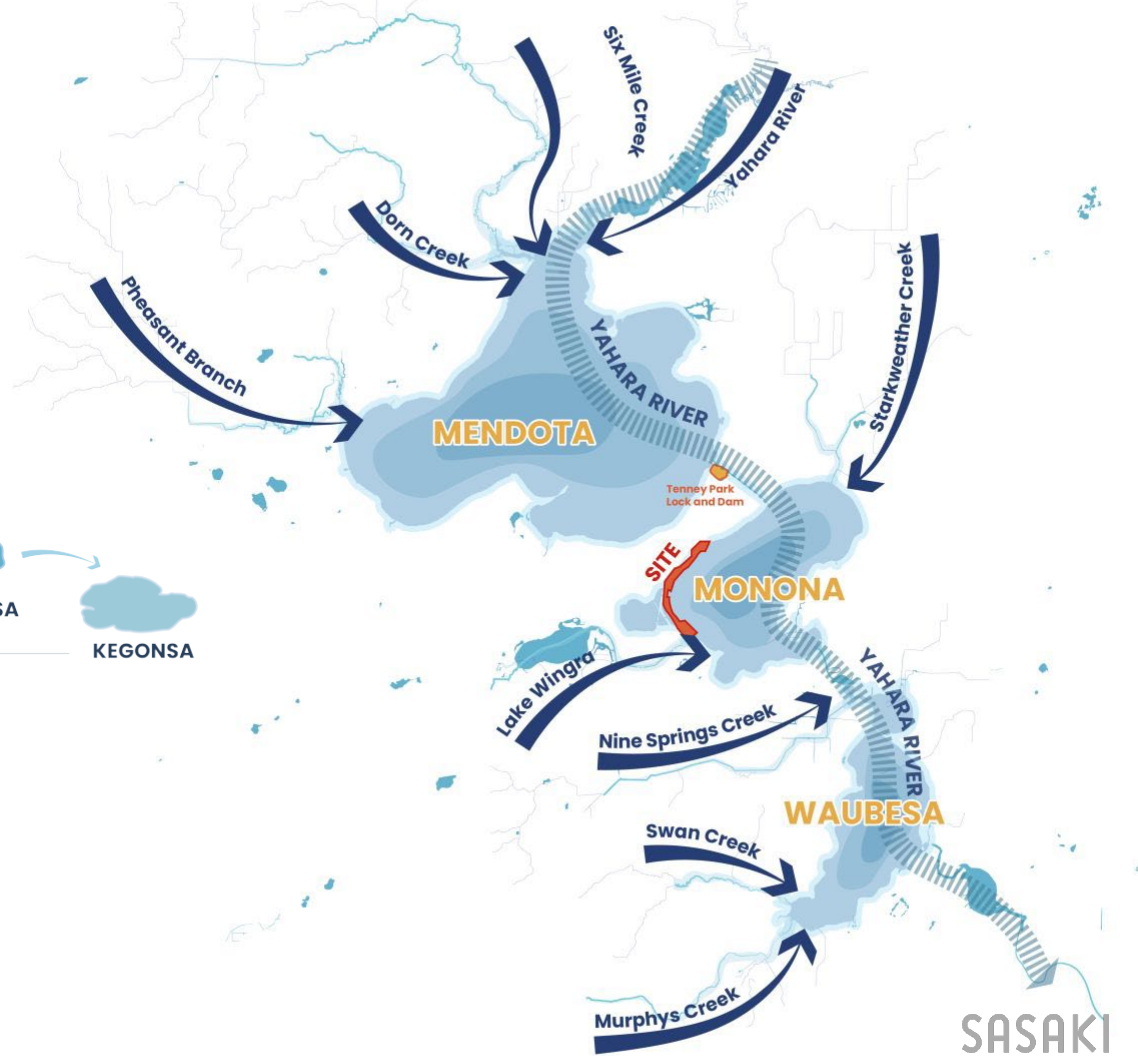
Hidrología del lago | Pas dej qhov dej txhawv

- The Yahara River connects all four major lakes together

## Lake Elevations:



## Lake Depths:



# Water Quality

Hidrología del lago | Pas dej qhov dej txhawv



**Local Outfalls**



**Roadway Runoff**



**PFAS**



**Airport Runoff**



**Agricultural Runoff**



**Golf Course Runoff**

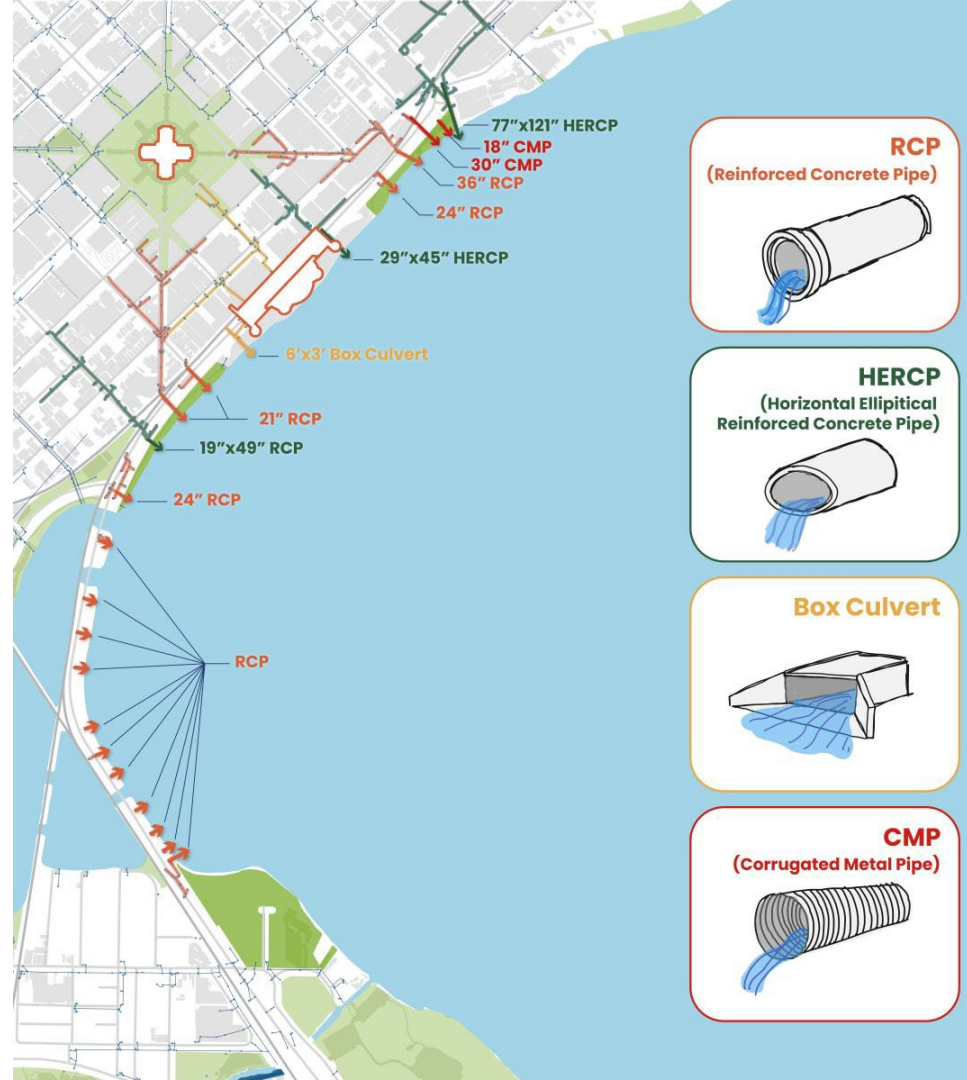


# Infrastructure

Infraestructura | Covkev tsheb taug thiab raj dej

## Stormwater outfalls flowing directly into Lake Menona:

- **11 outfalls** along John Nolan Drive
- **4 outfalls** line the shore of the Capital City Trail
- **2 large outfalls** are located at Monona Terrace
- **5 outfalls** line the shore of Law Park



# Identify:



1.

Location

2.

Water Quality Issues

3.

Treatment Type

	Location			Benefits				Type			
BMP	Upper watershed	Outlet Pipe	Lake Edge	Phosphorus Removal	Habitat Creation/Daylighting of stormwater	Trash Removal	Reduces Runoff Velocity	Infiltration	Retention	Filtration/High Treatment	Pretreatment
<i>Description</i>	As it relates to the regional and sub watersheds. Runoff, etc.	Point source flow - any single identifiable source that directly discharges runoff	Any area directly along the lakes edge	Actively removes phosphorus from incoming runoff	Creates a vegetated area that promotes wildlife. Returns a previously buried waterway to its natural state.	Removes trash from incoming runoff	Promotes infiltration and reduces runoff volumes	Groundwater recharge potential. Reaching the lakes through groundwater	Storage Potential - Allows for stormwater storage with control of downstream flow, control structures, etc.	High treatment potential - plant and soil matrix to support nutrient removal	Reduces the amount of debris and pollutants before it enters a BMP
Deep Sump Catch Basin											
Oil Grit											
Sediment Forebays											
Stabilized edge/Rip rap											
Vegetated Filter Strips											
Pond Edge w/ Bulkhead											
Water Quality Structure											
Pervious Paving											
Bioswale											
Sand Filter Basin											
Rain Gardens											
Tree Boxes											
Constructed Wetlands											
Infiltration Basin											
Underground Chambers											
French Drains											

# Solution:

Rain Garden!

# Connections

Conexiones | Conexões | Conexões



North Law Park



JND Bike Lane



South Law Park



Olin Park Entrance

Opportunities to **solve the mystery** of accessing the Monona Waterfront:

- Add new access points for all users in different speed
- Improve existing difficult access points
- Enhance visual connections
- Expand circulation paths throughout the site for all users in different speed
















# Programming

El programa | Cov kev ua hauj lwm



- Isochrone- 10 min walk
- Lack of larger gathering spots along the water
- Hard to reach the water

-  Trails
-  Playground
-  Event space
-  Nature observation and activities
-  Dog Park
-  Basketball court
-  Volleyball court
-  Tennis court
-  Soccer field
-  Softball field
-  Special athletics program (swimming, waterski, stadium, etc.)



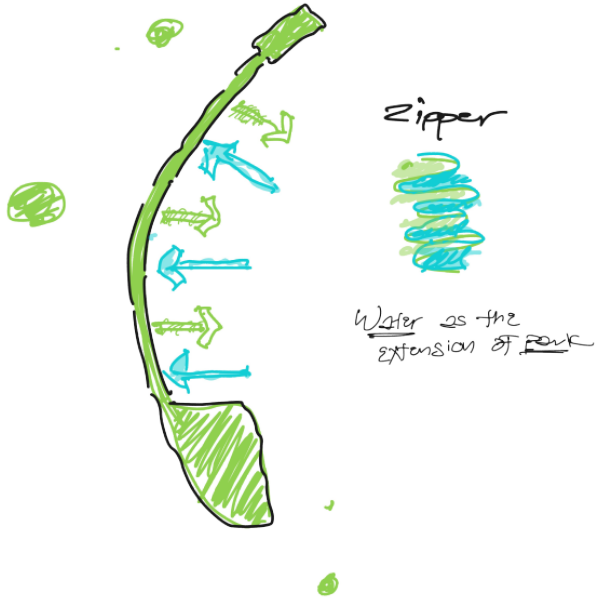
# Concepts & Ideation

Conceptos e ideación

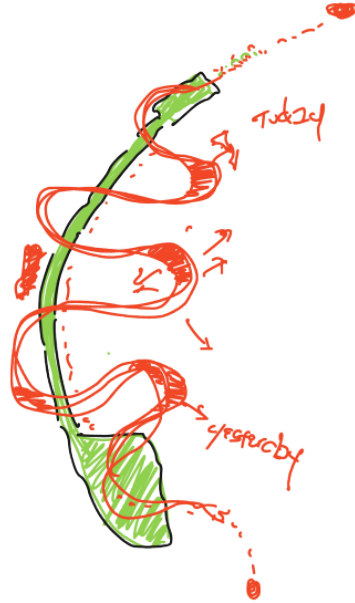
Cov ntsiab lus qhia thiab kev xav tswv yim

# Our Process

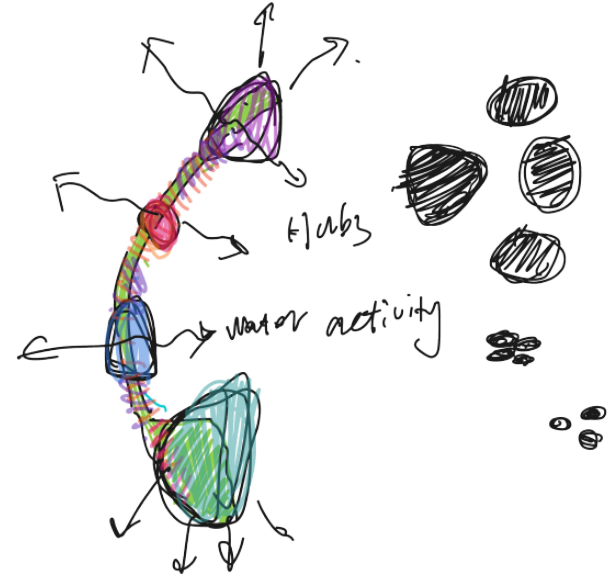
Nuestro proceso | Peb cov txheej txheem tsim



**Urban Aquatic**



**Cultural Connector**



**Hubs & Hugs**

# Our Process

Nuestro proceso | Peb cov txheej txheem tsim

Board for Design Work Session!

## LAKE MONONA DESIGN WORK SESSION

**Frame 4**

- Criteria of Selection**
- Guiding Principles**
- Scope of Work**
- Miro tutorial**

**Team Red!**

- Frame 5**
- Blue team**

**Team Blue!**

- Base map**
- Sections**

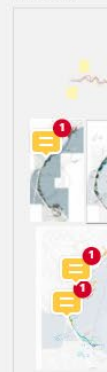
**Yellow team**

- Team Yellow!**
- Base map**
- Sections**

**Site Context** More info see above site analysis! ↑

- Strategy - comments & amenities**
- Additional Background Info from the**
- Previous Design Ideas**
- From Community**
- Precedents & Scale Comparison**
- Useful links**
- Previous Presentation**

Frame 8





**Link to Video:**  
<https://vimeo.com/768677489>

# Voices of the Lake:

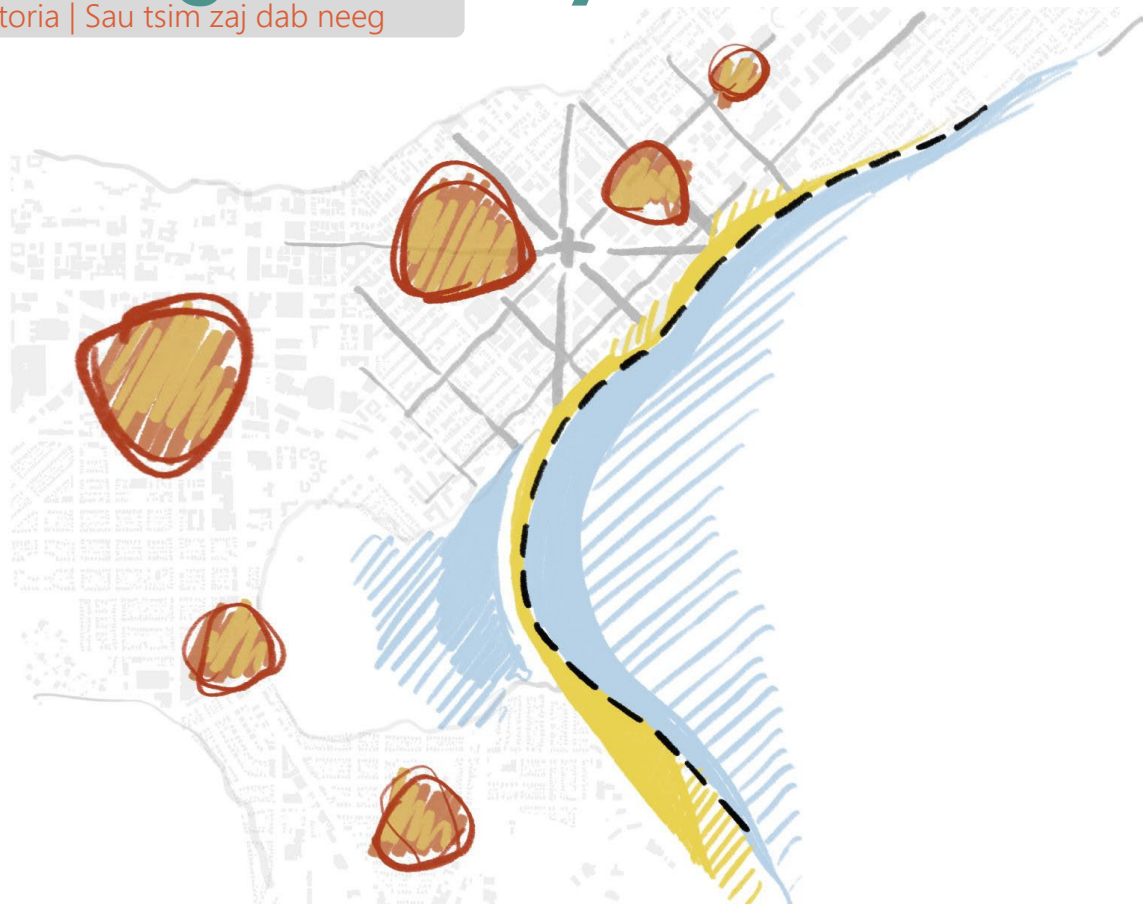
## The Monona Shoreline

**Voces del lago:**  
la costa de  
Monona

Cov suab  
ntawm lub pas  
dej: **ntug dej**  
**hiav txwv**  
**Monona**

# Composing the Story

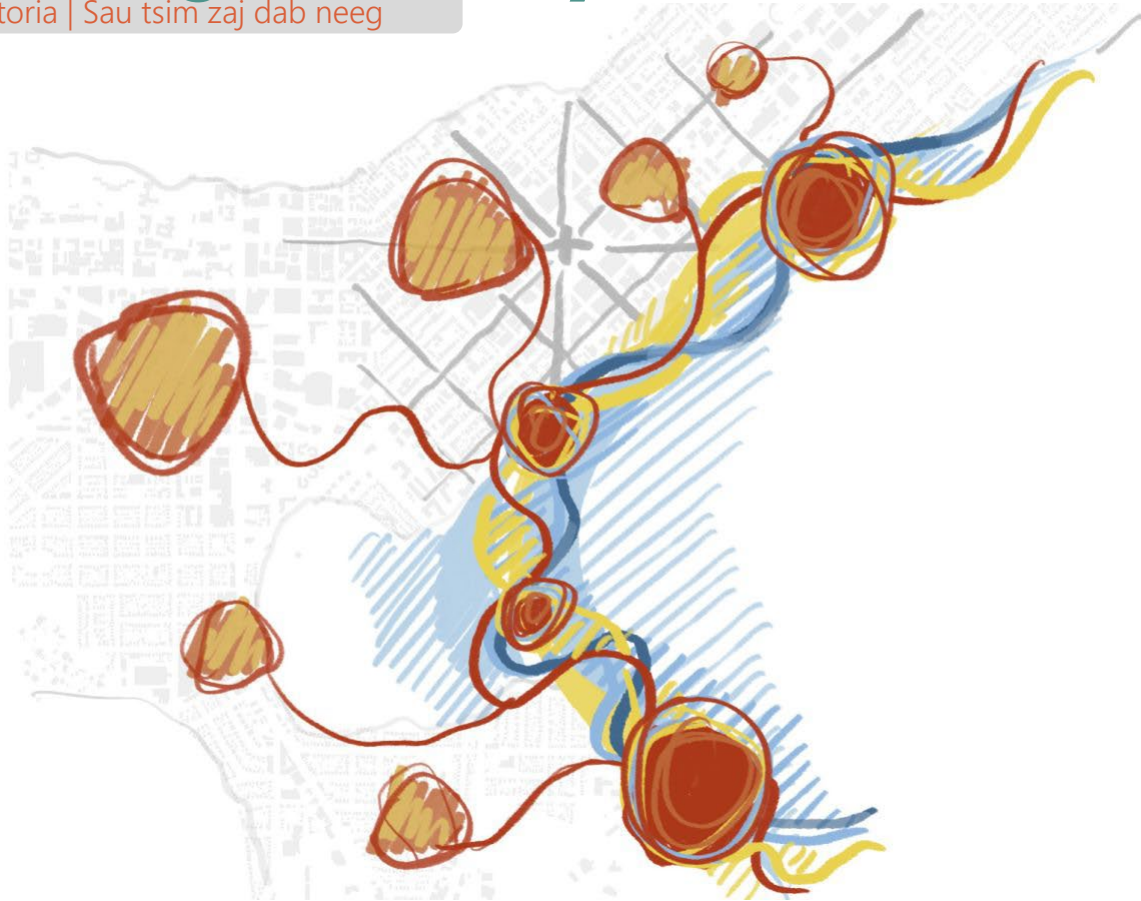
Componiendo la historia | Sau tsim zaj dab neeg





# Composing the Story

Componiendo la historia | Sau tsim zaj dab neeg



# The Dialogue



## Law Park Ledge

Repisa del Law Park | Pob Tsuas Law

## Lake Lounge

Lounge del lago | Pas Dej Lounge

## Community Causeway

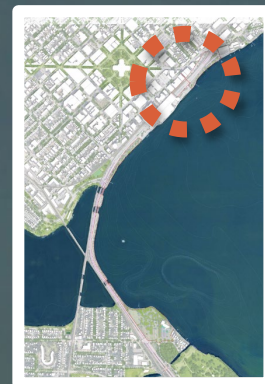
Puente comunitario | Txoj taub tiv thaiv dej rau hauv zos

## Olin Overlook

Mirador del Olin Park | Sai mus thoob plawv Olin

# Law Park Ledge

Repisa del Law Park | Pob Tsuas Law



# Law Park Ledge

Repisa del Law Park | Pob Tsuas Law

Elevated Promenade & Park

City Connections

Playground

Boat House & Boat Dock

Public Beach & Pier

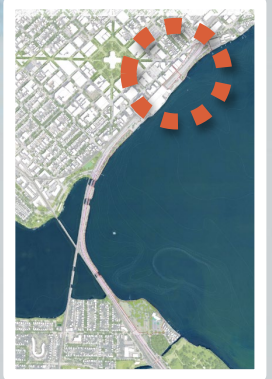
Monona Terrace Extension

Lake Monona

Waterfront Amphitheater

John Nolen Drive

Café & Public Restrooms



We want to to hear your voice!

# What are your top 3 favorite activities ?

¿Cuáles son tus 3 actividades favoritas?

Dab tsi yog qhov saum toj kawg nkaus ntawm cov huaj lwm nqis tes 3 yam uas koj nyiam tshaj plaws?



**1) STAGE & AMPHITHEATER**

Canal Corridor, King's Cross



**2) BOATHOUSE**

Bonnet Springs Park , Sasaki



**3) PLAYGROUND**

Smale Riverfront Park, Sasaki



**4) BEACH**

Sugar Beach, Claud Cormier



**4) CAFE**

Moore Square Park, Sasaki



**6) BOAT DOCK**

Sea Pines, Sasaki

# Lake Lounge

Lounge del lago | Pas Dej Lounge



Capital City Trail

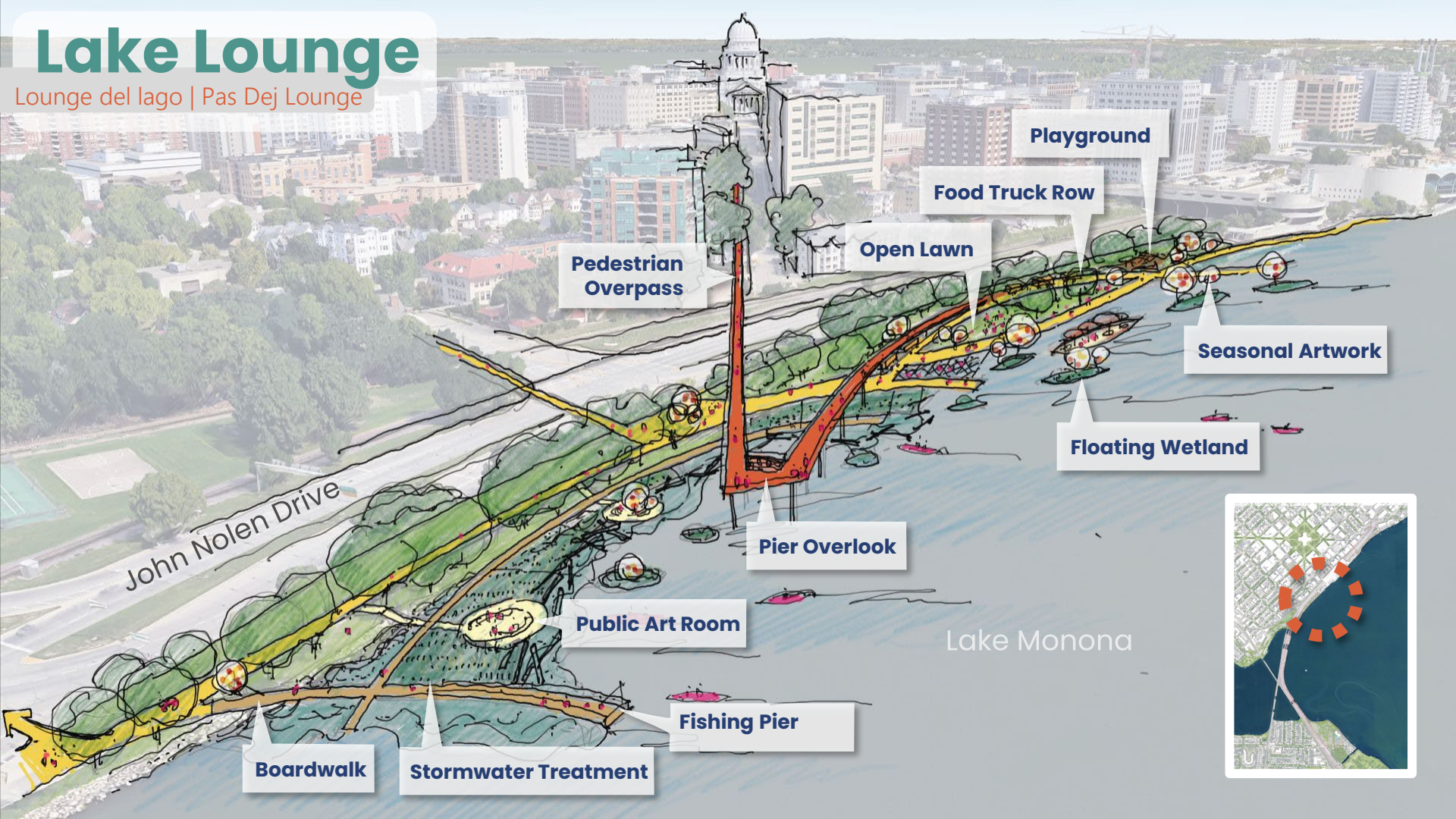
John Nolen Drive

Lake Monona



# Lake Lounge

Lounge del lago | Pas Dej Lounge



Pedestrian Overpass

Open Lawn

Food Truck Row

Playground

Seasonal Artwork

Floating Wetland

Pier Overlook

Public Art Room

Fishing Pier

Boardwalk

Stormwater Treatment

John Nolen Drive

Lake Monona



We want to to hear your voice!

# What are your top 3 favorite activities ?

¿Cuáles son tus 3 actividades favoritas?

Dab tsi yog qhov saum toj kawg nkaus ntawm cov huaj lwm nqis tes 3 yam uas koj nyiam tshaj plaws?



**1) SMALL LAWN & FOOD TRUCK**  
Moore Square, Sasaki



**2) ART ROOM**  
Dumke Arts Plaza, Sasaki



**3) OVERLOOK**  
Vancouver Waterfront Park



**4) BOARDWALKS**  
Bonnet Springs Park, Sasaki



**5) WETLAND PLATFORM & FISHING**  
Chicago Riverwalk, Sasaki



**6) WINTER ICE ACCESS**  
Spruce Park, Philadelphia



# Community Causeway

Puente comunitario | Txoj taub tiv thaiv dej rau hauv zos



Monona Bay

Lake Monona

Capital City Trail

John Nolen Drive

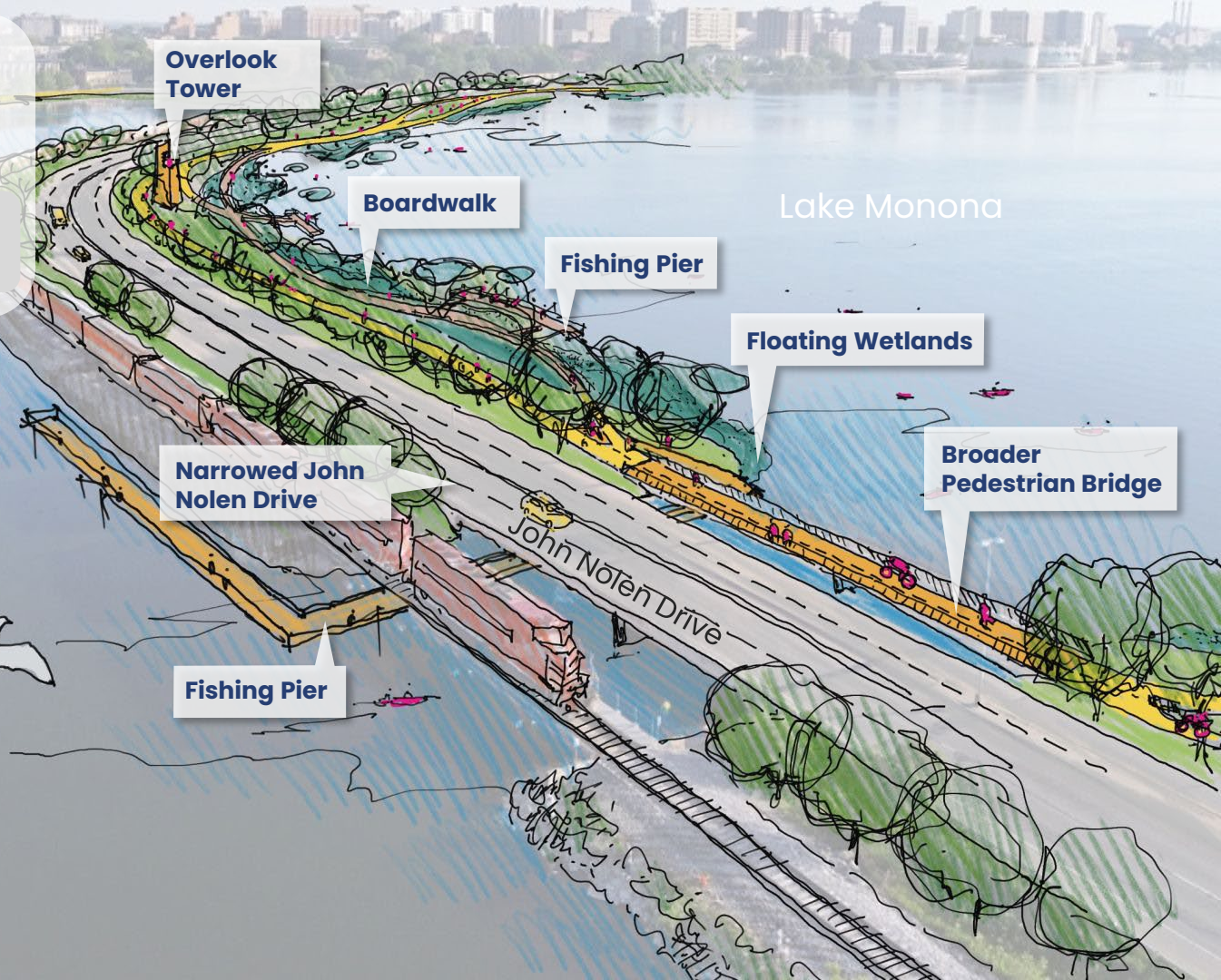


# Community Causeway

Puente comunitario | Txoj taub tiv thaiv dej rau hauv zos



Monona Bay



Overlook Tower

Boardwalk

Fishing Pier

Lake Monona

Floating Wetlands

Broader Pedestrian Bridge

Narrowed John Nolen Drive

John Nolen Drive

Fishing Pier

We want to to hear your voice!

# What are your top 3 favorite activities ?

¿Cuáles son tus 3 actividades favoritas?

Dab tsi yog qhov saum toj kawg nkaus ntawm cov huaj lwm nqis tes 3 yam uas koj nyiam tshaj plaws?



**1) FISHING PIERS**

Chicago Riverwalk, Sasaki



**2) TRAILS FOR ALL SPEED**

Buffalo Bayou



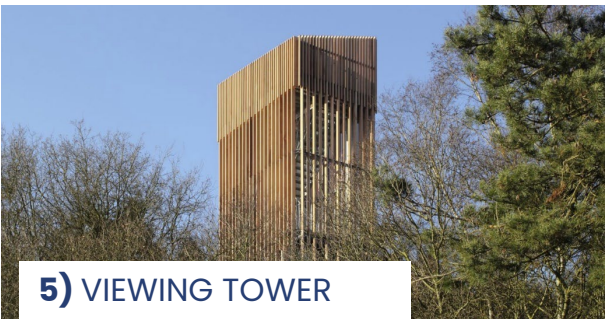
**3) WETLAND & FISH HABITAT**

Milliken State Park, Detroit



**4) BOARDWALKS**

Jiading Park, Sasaki



**5) VIEWING TOWER**

Vecht Riverbank

# Olin Park Overlook

Mirador del Olin Park | Sai mus thoob plawv Olin

Lake Monona

Olin Park

John Nolen Drive



# Olin Park Overlook

Mirador del Olin Park | Sai mus thooob plawv Olin



Lake Monona

Fishing Pier

Boat Dock

Nature Center

Beach

Overlook

Canopy Walk

Boat Dock

Olin Park

Boat Ramp

Stormwater Garden

Sound Barrier Mound

Sports Field/  
Open Lawn

Parking in  
the Woods

John Nolen Drive



We want to to hear your voice!

# What are your top 3 favorite activities ?

¿Cuáles son tus 3 actividades favoritas?

Dab tsi yog qhov saum toj kawg nkaus ntawm cov huaj lwm nqis tes 3 yam uas koj nyiam tshaj plaws?



**1) SWIMMING BEACH**



**2) CANOPY WALK & OVERLOOK**

Bonnet Springs Park, Sasaki



**3) OPEN FIELD IN THE WOODS**



**4) SPACE FOR FISHING & ICE FISHING**



**5) ACCESSIBLE TRAILS**

Bonnet Springs Park, Sasaki



**6) BOAT DOCK & BOAT LAUNCH**

Brooklyn Bridge Park

A wide-angle photograph of a large body of water, likely a lake or reservoir, under a clear blue sky. On the right side, a paved path runs along the water's edge, bordered by a low concrete wall and a rocky shoreline. The path has a yellow dashed line and a person is riding a bicycle on it. In the background, there are trees with some autumn-colored leaves and a distant shoreline with buildings.

# Looking Ahead to Inform Today

# Bonnet Springs Park

Friends of Model



## Location

Lakeland, FL

## Size

186 Acres

## Status

2014-2022 (now open!)

## Sasaki Scope

Master Plan-CA

## Sasaki Services

Landscape Architecture  
Civil Engineering  
Architecture  
Interior Design  
Environmental Graphics



**\$8M** Annual Operations & Maintenance Costs

**\$3M** Estimated Annual Revenue





# Smale Riverfront Park

## P3 Model



### Location

Cincinnati, OH

### Size

32 Acres

### Status

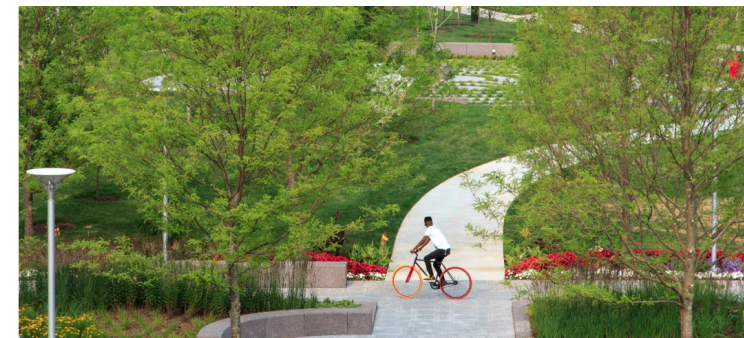
Completed 2015

### Sasaki Scope

Master Plan-CA

### Sasaki Services

Landscape Architecture  
Civil Engineering  
Architecture  
Environmental Graphics



# University Lakes

City, University,  
State & Federal

## Location

Baton Rouge, LA

## Size

375 Acres

## Status

In Progress

## Sasaki Scope

Concept Design - CA

## Sasaki Services

Landscape Architecture  
Civil Engineering  
Ecology



**\$30M** 1st Phase  
**\$15M** BRIC Grant



# From Vision to Phase 1

De la visión a la fase 1 | los ntawm lub zeem muag mus rau them 1



**Master Plan Vision Unique to Madison**

**Racial Equity and Social Justice**

**Sense of Place**

**Community Connections**

**Lake Access**

**Sustainability**

**Public Art**

**Education**

**Economic Opportunity**

**Design for Philanthropy**

**lakemonona.  
engage.  
sasaki.com**

