



swa C|A|R|B|O

Master Design Services for  
**University Lakes Project**  
Baton Rouge, Louisiana

10<sup>th</sup> December Interview













swa | A | R | B | O



# **Who We Are & How We Think**

























































































































































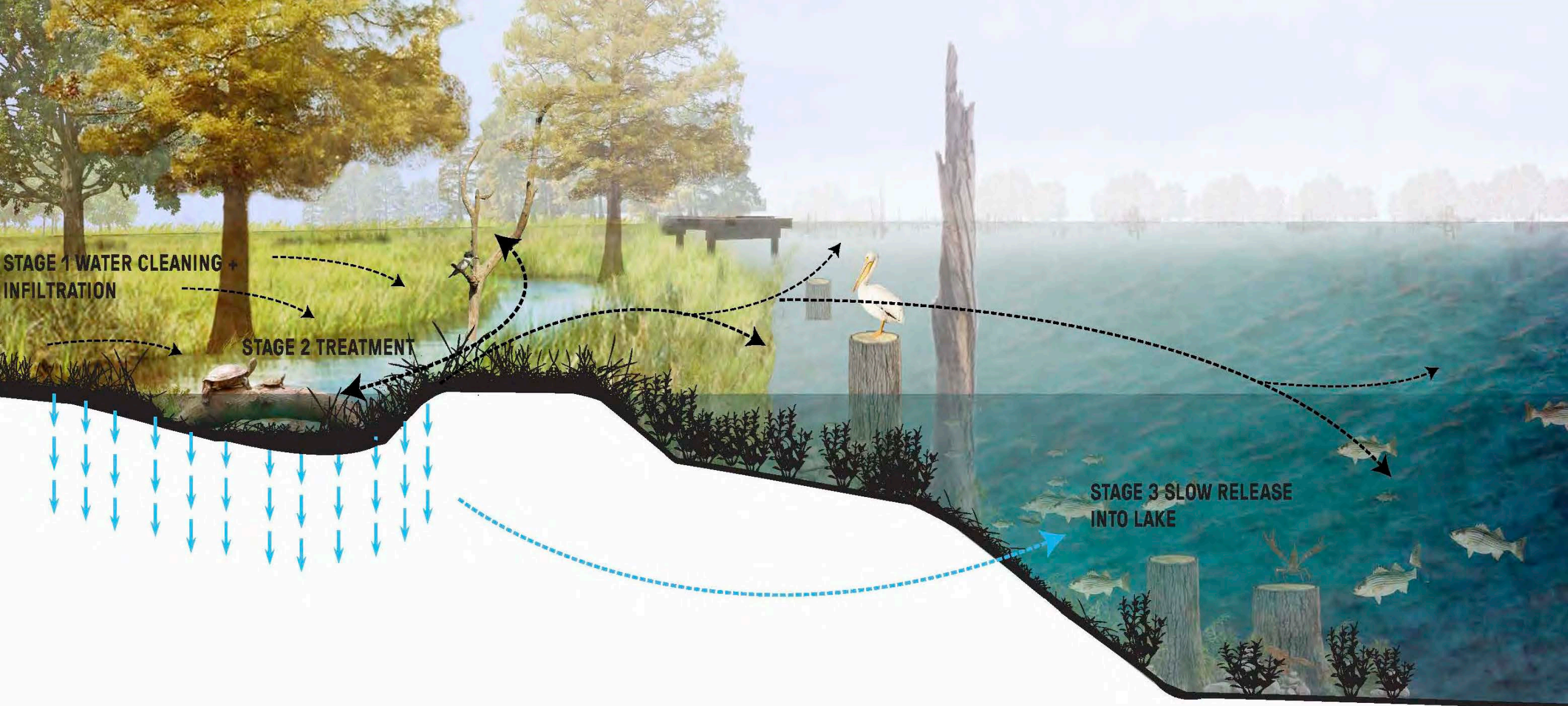






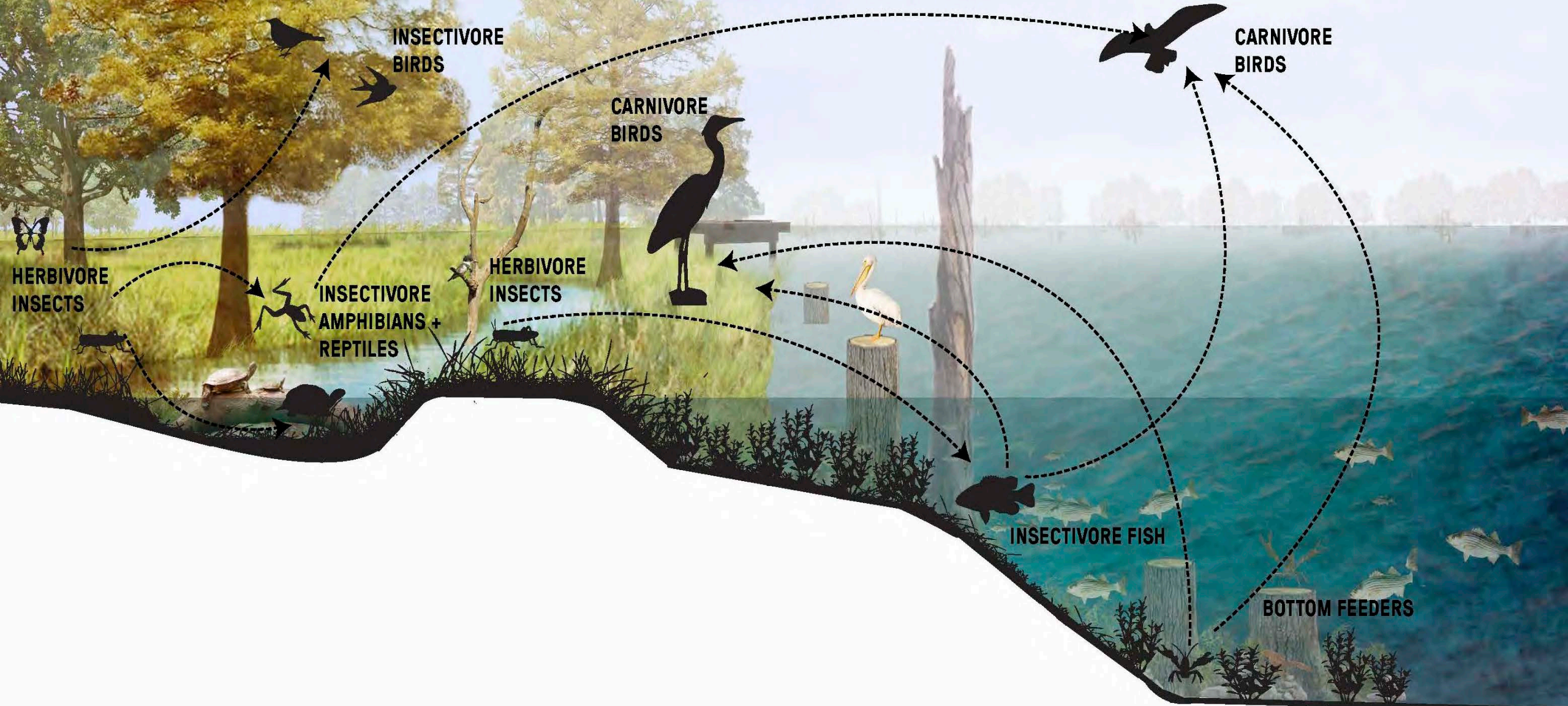






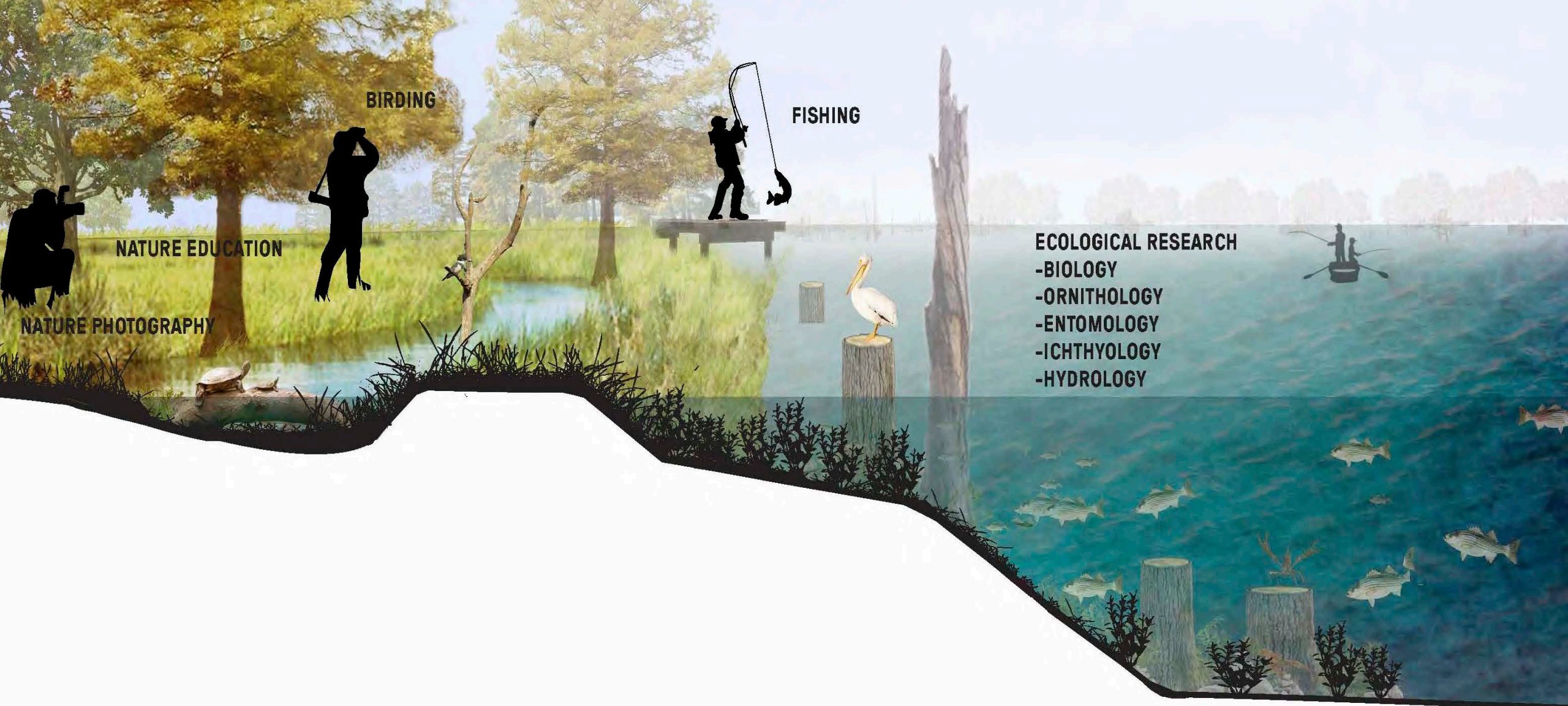
How We View the Project





How We View the Project





How We View the Project





BIO-FILTRATION  
STRIP

TREATMENT SWALE  
TOP OF BANK

INTERPRETIVE  
BOARDWALK

# How We View the Project

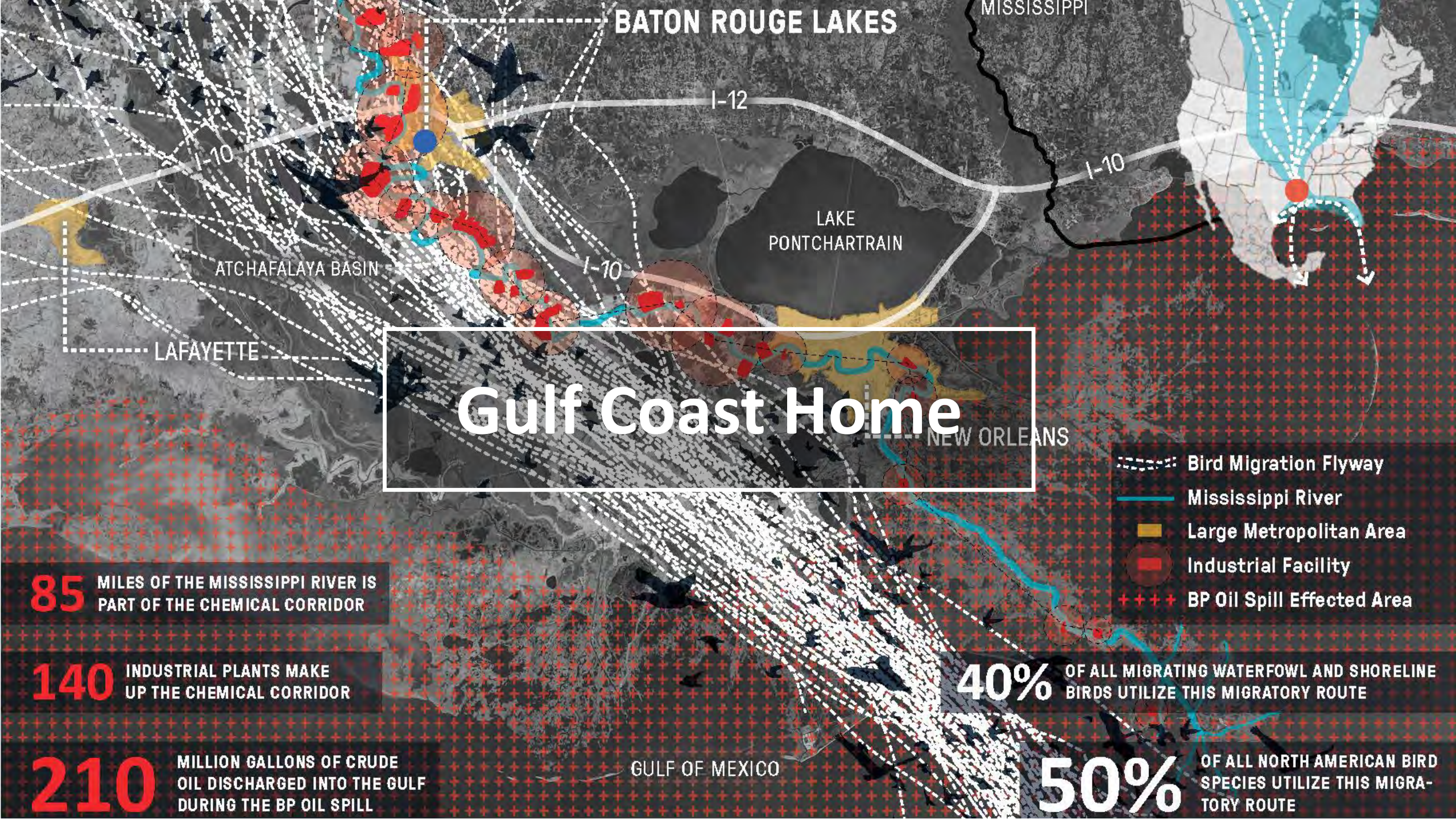


# Regional Knowledge









BATON ROUGE LAKES

MISSISSIPPI

I-12

I-10

LAKE  
PONTCHARTRAIN

I-10

ATCHAFALAYA BASIN

LAFAYETTE

NEW ORLEANS

# Gulf Coast Home

- Bird Migration Flyway
- Mississippi River
- Large Metropolitan Area
- Industrial Facility
- BP Oil Spill Effected Area

**85** MILES OF THE MISSISSIPPI RIVER IS PART OF THE CHEMICAL CORRIDOR

**140** INDUSTRIAL PLANTS MAKE UP THE CHEMICAL CORRIDOR

**210** MILLION GALLONS OF CRUDE OIL DISCHARGED INTO THE GULF DURING THE BP OIL SPILL

**40%** OF ALL MIGRATING WATERFOWL AND SHORELINE BIRDS UTILIZE THIS MIGRATORY ROUTE

**50%** OF ALL NORTH AMERICAN BIRD SPECIES UTILIZE THIS MIGRATORY ROUTE

GULF OF MEXICO



An aerial photograph showing a flooded landscape. In the upper left, a building with a complex roof structure is partially submerged. A long, narrow bridge or walkway extends from the land into the water on the right. The water is a murky brown color. The text "We LIVE in it. Design With It. Everyday." is overlaid in a white box in the center.

**We LIVE in it.  
Design With It.  
Everyday.**







A wide-angle photograph of a sunset over a body of water. The sky is filled with vibrant orange and red clouds, with the sun's glow reflecting on the water's surface. In the foreground, there are green reeds and grasses on the right side. A white rectangular box is centered horizontally across the middle of the image, containing the text "The Site" in a white, sans-serif font. The background within the box shows a dark silhouette of a treeline and some distant buildings.

# The Site



**3.5** foot average depth  
of the lakes

Downtown Baton  
Rouge

**600+** white pelicans recorded  
at the lakes in one day

**150k** estimated fish perished in  
2003 Fish Kill

Mississippi River

Garden District  
Neighborhood

Old South Baton  
Rouge Neighborhood

**BATON ROUGE LAKES**

Southdowns  
Neighborhood

**LSU CAMPUS**

**275** acres of natural bayou  
converted to open water

**>1%** of the lakes area provide  
healthy habitat for migra-  
tory birds

Collegetown  
Neighborhood

Bayou Duplantier

I-12

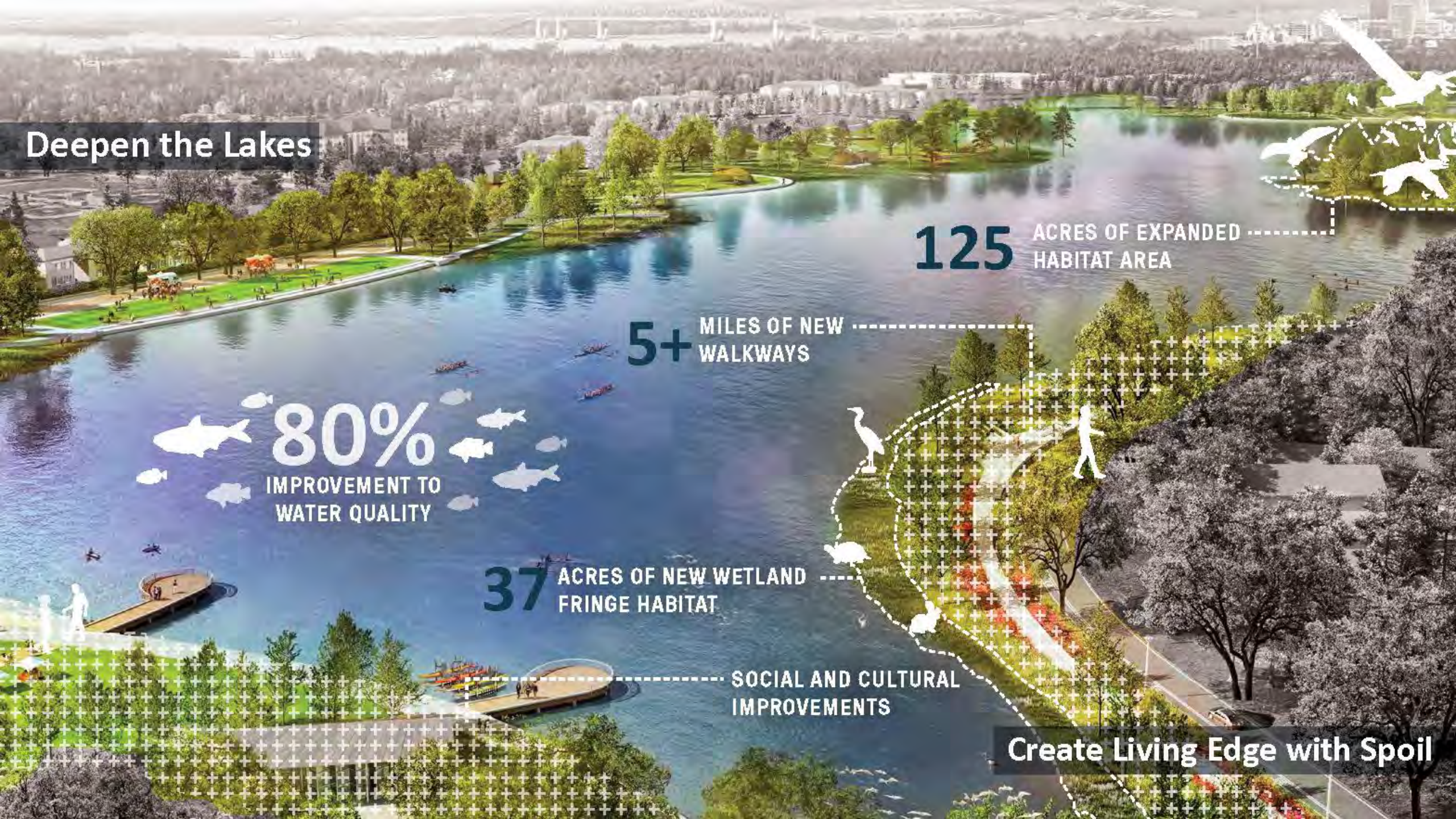
I-10



An aerial architectural rendering of a park master plan. The scene features a large body of water in the foreground with several people swimming. A curved promenade with a paved path and a green lawn area is visible. In the background, there are dense green trees, a residential area with houses, and a city skyline under a hazy sky. A white rectangular box with a thin black border is centered over the image, containing the text "The Master Plan" in a bold, white, sans-serif font.

# The Master Plan





Deepen the Lakes

**125** ACRES OF EXPANDED  
HABITAT AREA

**5+** MILES OF NEW  
WALKWAYS

**80%**  
IMPROVEMENT TO  
WATER QUALITY

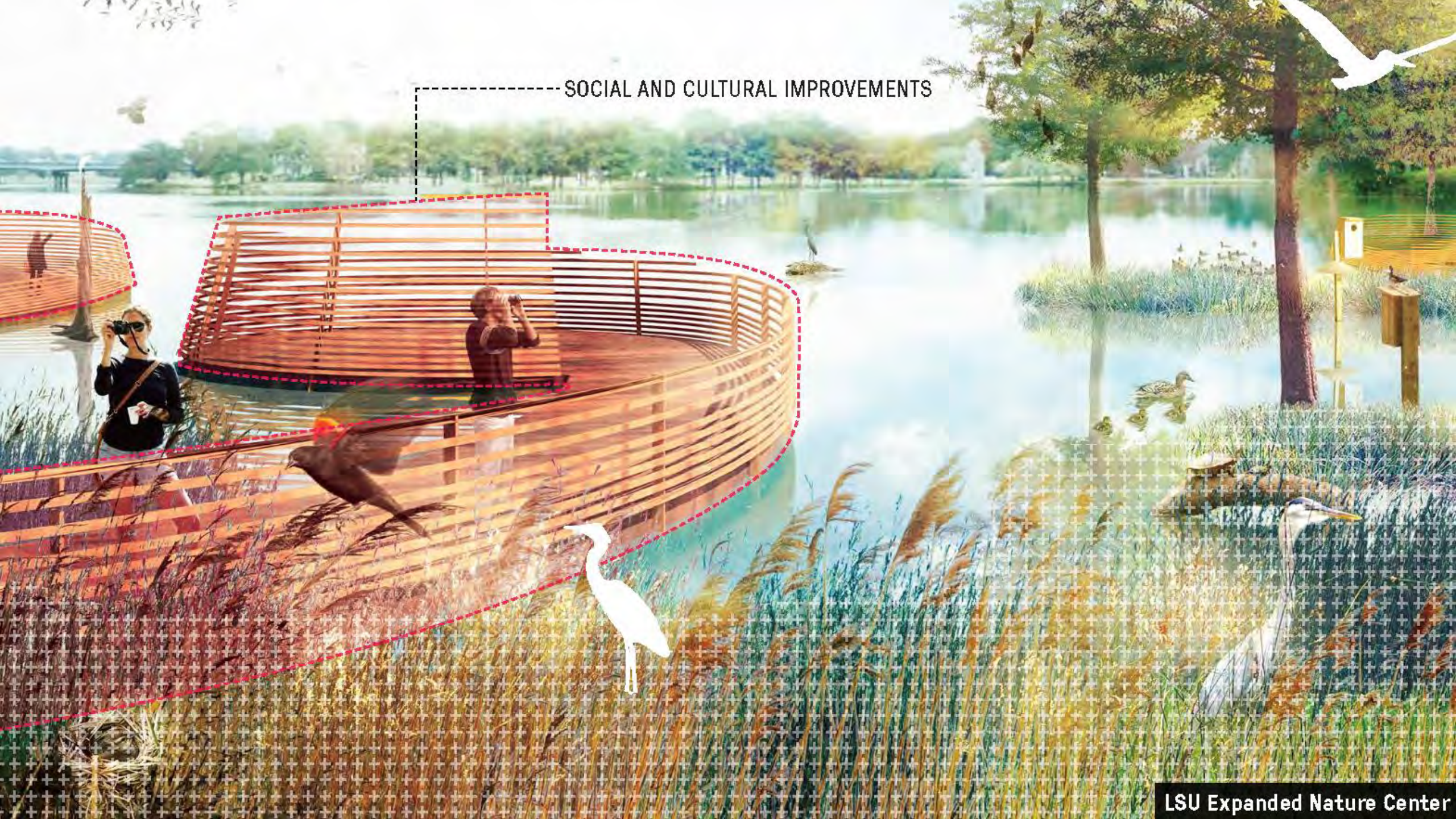
**37** ACRES OF NEW WETLAND  
FRINGE HABITAT

SOCIAL AND CULTURAL  
IMPROVEMENTS

Create Living Edge with Spoil



SOCIAL AND CULTURAL IMPROVEMENTS





PRIMARY LOOP MULTI-USE TRAIL

LIVING EDGE/ BIOFILTRATION

BIOSTRUCTURE

RESTORED MEADOW







The People



**Diversity / Availability**



# SWA + CARBO

Landscape Architecture + Urban Design,  
Project Management

## HNTB

Engineering Design Lead

### Technical Design Team

#### **Vectura Consulting \*\***

Traffic Engineering

#### **Eduok Associates\*\***

Lighting & MEP

#### **Civil Solutions Consulting Group\*\***

Civil Engineering

#### **Forte & Tablada**

Survey

#### **ELOS Environmental**

Desktop Environmental Analysis

### Specialty Design Team

#### **CORE Design Studio**

Branding & Wayfinding

#### **Biohabitats**

Habitat & Ecology

#### **Bob's Tree Preservation**

Arborist

#### **Sweeney & Associates**

Irrigation

### Research Team

#### **Suzanne Turner & Associates\*\***

Historic & Cultural Landscapes

#### **Richard Gibbons**

Ornithology

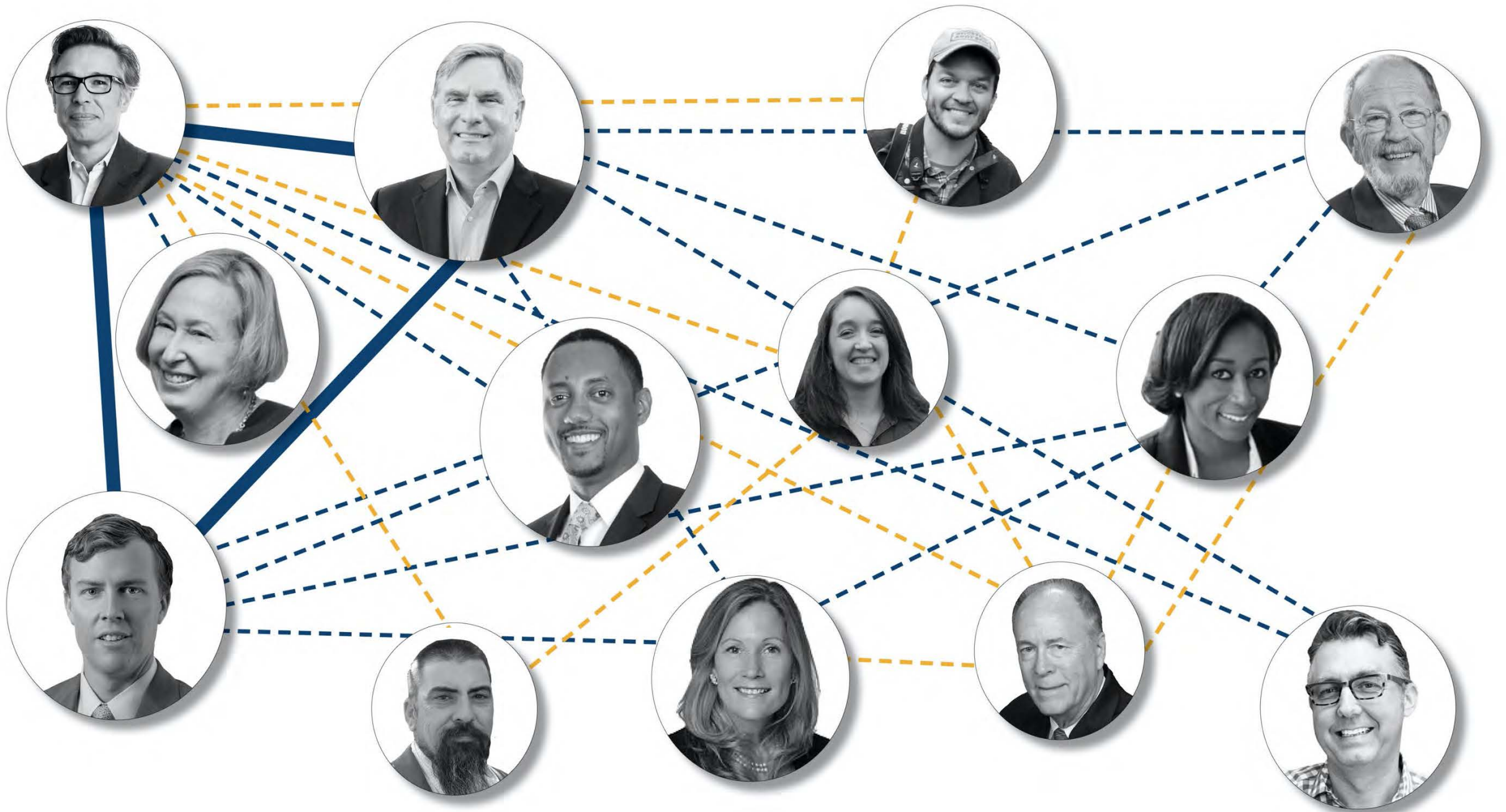
#### **Dr. Barrett L. Kays**

Soil Science

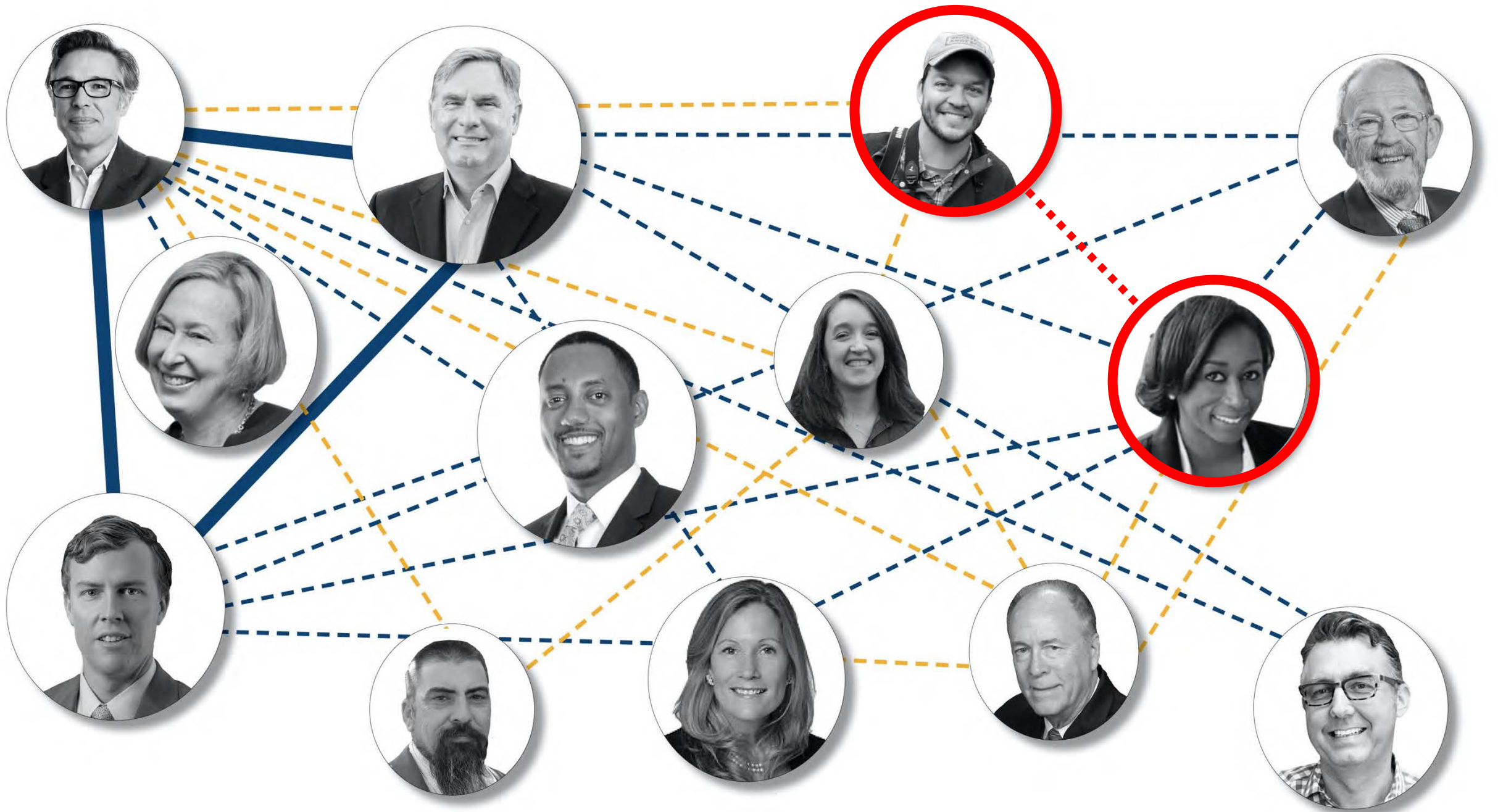
















Women-Owned





Minority-Owned





Small Business





Local Business





Science & Research





National Firms Committed to Diversity





National Firms Committed to Diversity





Louisiana Native





- ▶ SWA RISE strives to create a more inclusive, socially impactful, and equitable practice that reflects and supports the communities we serve.





Availability



**Success Defined**





## Success Defined:

- ☐ Design Schedule
- ☐ Construction Schedule
- ☐ Construction Budget
- ☐ Complex Ownership Team
- ☐ Residents
- ☐ Safety
- ☐ Connectivity
- ☐ Longevity
- ☐ Migratory Birds
- ☐ Cultural Landscape Integrity
- ☐ Master Plan Attrition
- ☐ National Importance
- ☐ Carrying Capacity
- ☐ Construction Impact



## ✓ Design Schedule

Construction Schedule

Construction Budget

Residents

Complex Ownership Team

Safety

Connectivity

Master Plan Attrition

Longevity

Migratory Birds

Cultural Landscape Integrity

Carrying Capacity

Construction Impact

National Importance





✓ Design Schedule

✓ **Construction Schedule**

Construction Budget

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- ✓ **Construction Budget**

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Louisiana State  
University

The City of  
Baton Rouge

Louisiana State  
University Athletics  
Department

State of  
Louisiana

Baton Rouge  
Area Foundation

BREC



- ✓ Design Schedule
- ✓ Construction Schedule
- ✓ Construction Budget
- ✓ Residents
- ✓ Complex Ownership Team
- ✓ **Safety**

Connectivity

Master Plan Attrition

Longevity

Migratory Birds

Cultural Landscape Integrity

Carrying Capacity

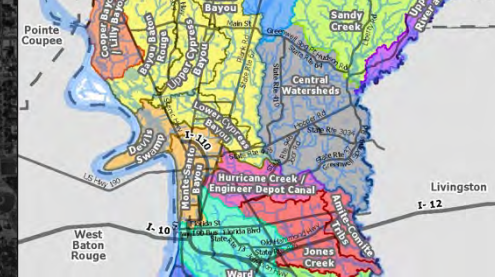
Construction Impact

National Importance





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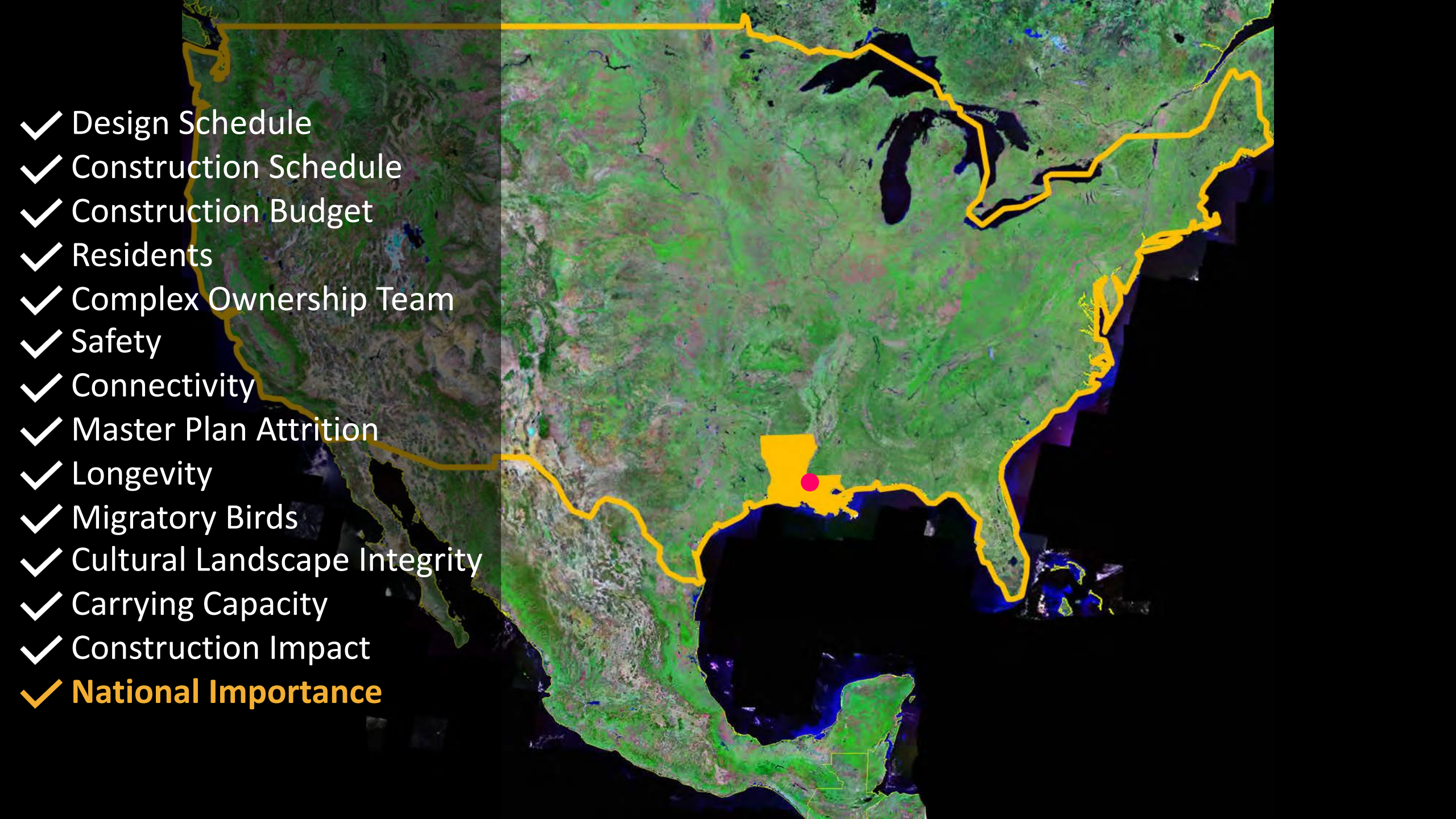


SIDEWALK  
CLOSED



BIKE PATH CLOSURE  
8/17/20 FOR 26 DAYS  
INFO: 888-200-9919



- 
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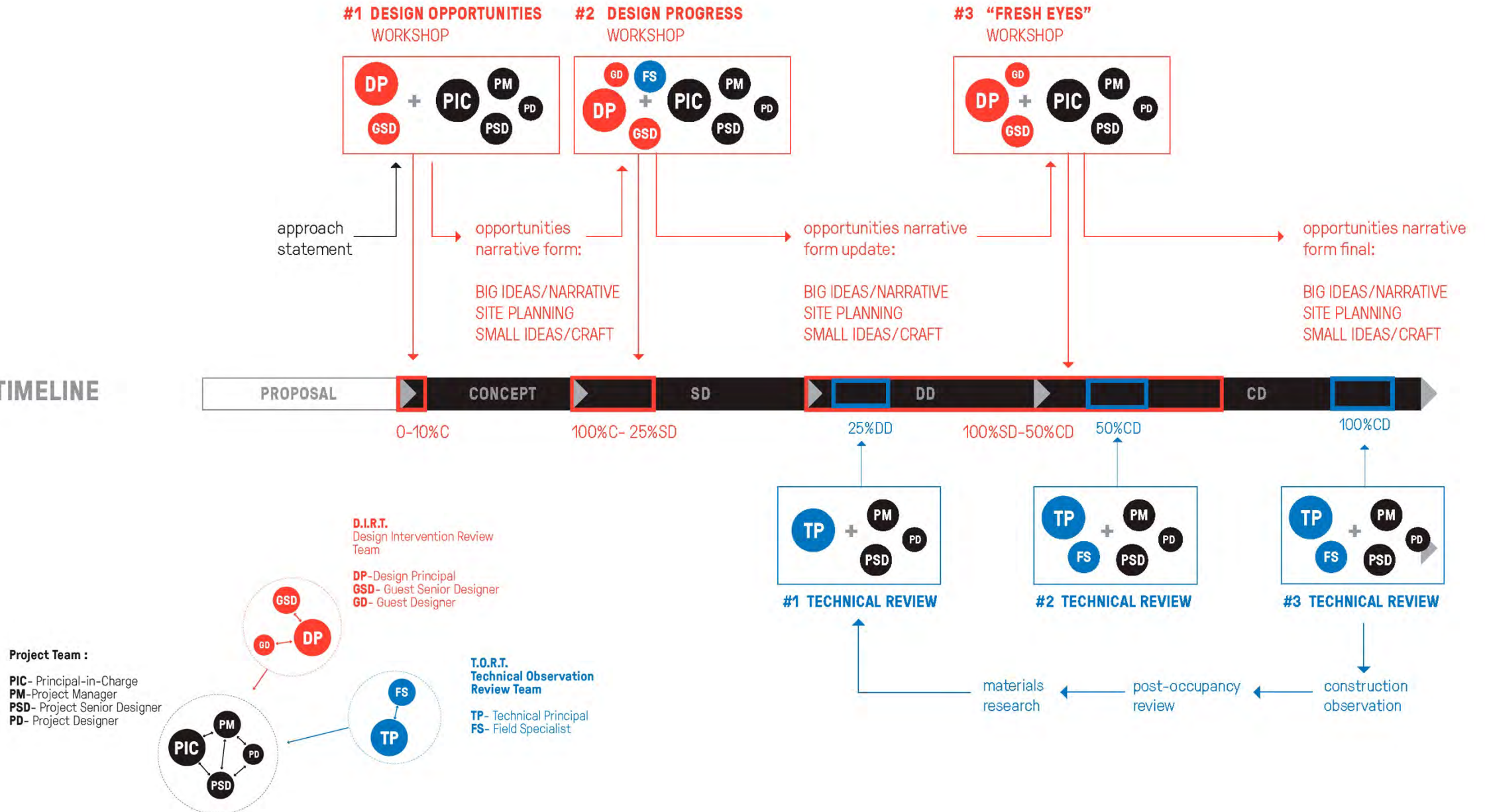
**Process**



D.I.R.T.

PROJECT TIMELINE

T.O.R.T.











# Communication

Workshop-Driven, All Voices in the Room, Focused Design Time

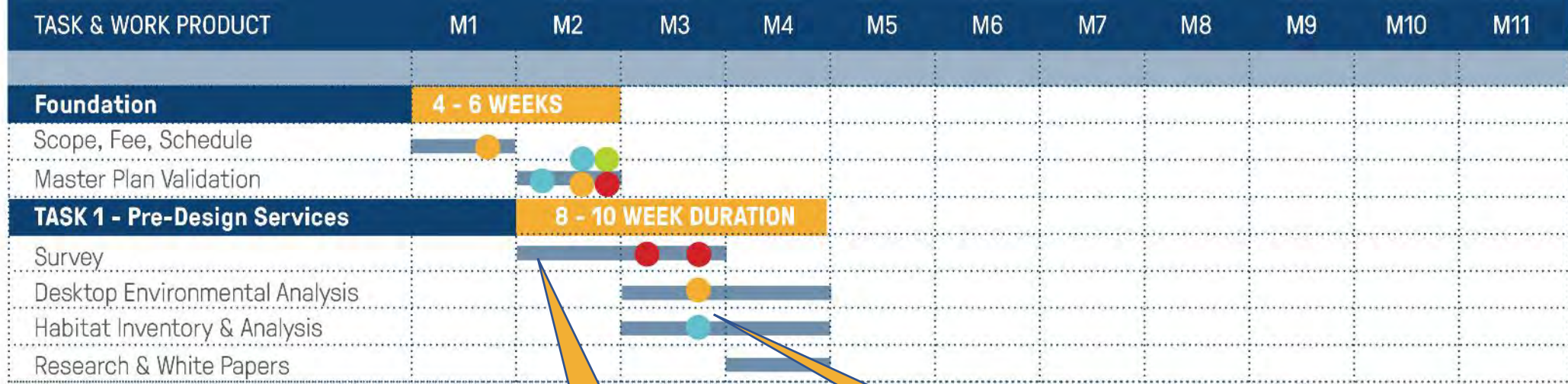


TASK & WORK PRODUCT	M1	M2	M3	M4	M5	M6	M7	M8	M9	M10	M11
<b>Foundation</b>	<b>4 - 6 WEEKS</b>										
Scope, Fee, Schedule											
Master Plan Validation											

**Validate the  
Master Plan and  
Move into  
Schematic Design**

**Convene Expert  
Review Panel**





**Quick Start Survey  
and Analysis Work**

**Technical  
Workshops Paired  
with Design**

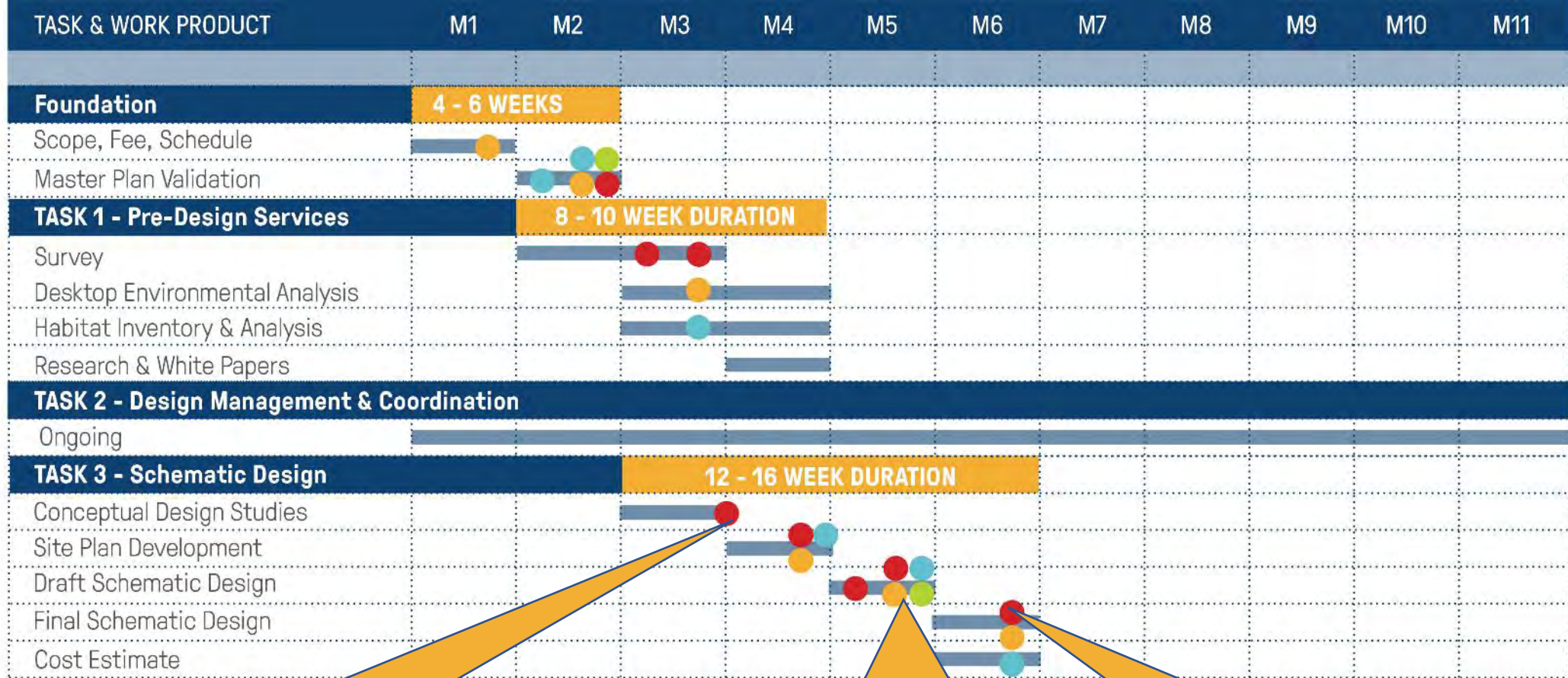




**Assist with Selection  
of Flood Risk  
Consultant**

**University  
Engagement**



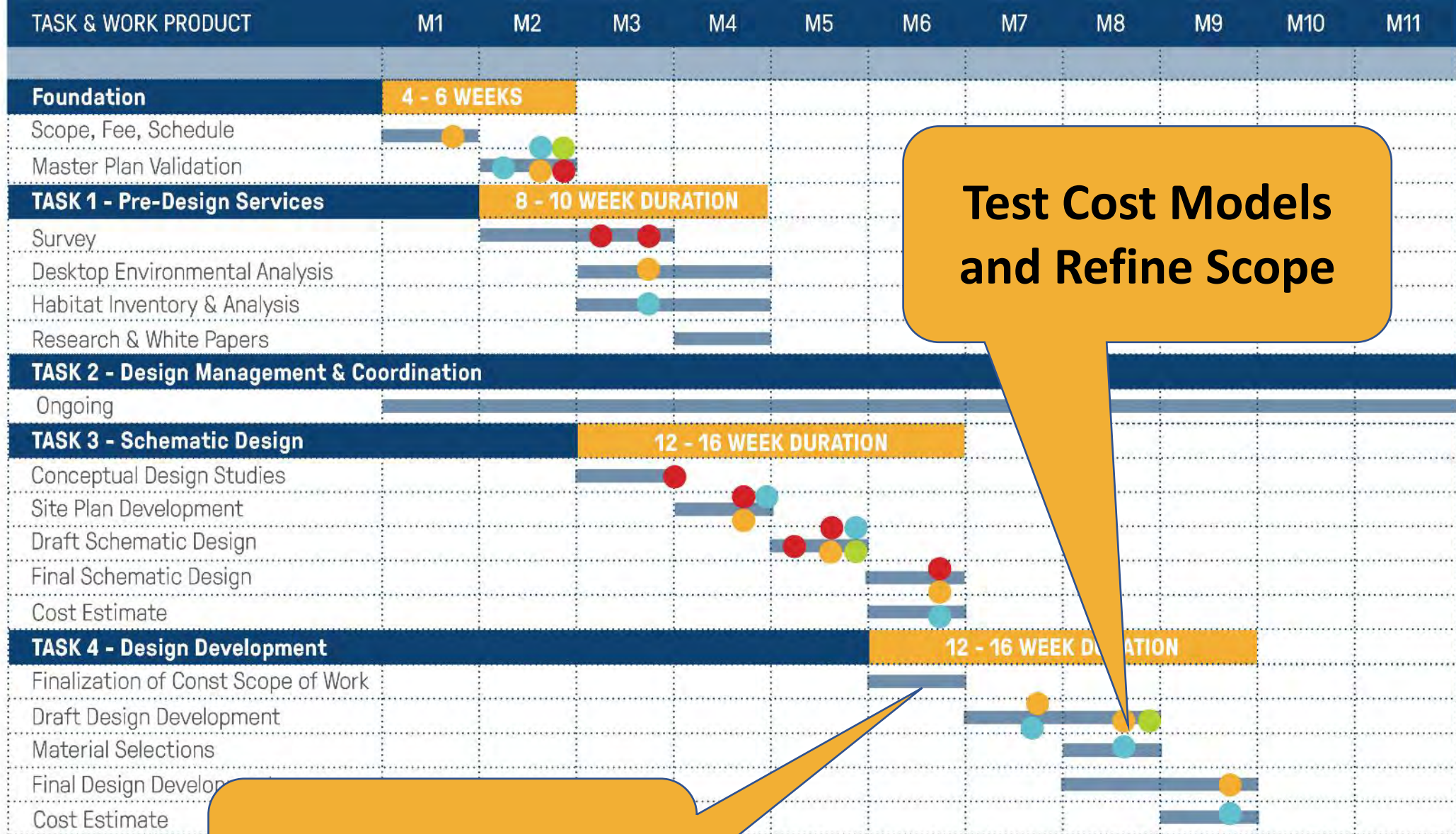


**Engage Team through Collaborative Charrettes**

**Regular Client Presentations Maintain Integrity of Client Goals**

**Schematic Design Approval, and Next Step Decisions**

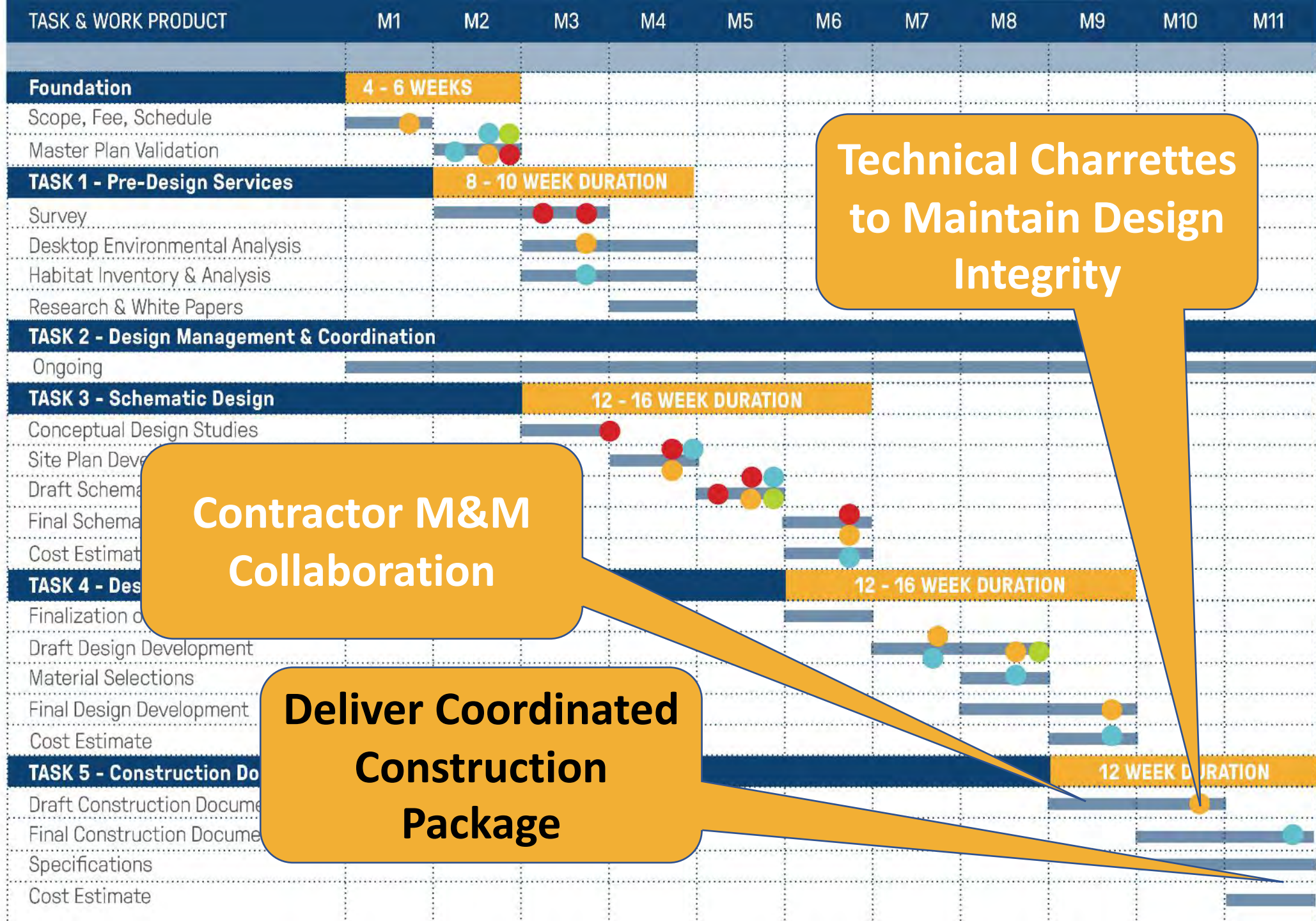




**Test Cost Models  
and Refine Scope**

**Agree to Phase 1  
Scope of Work**





Technical Charrettes  
to Maintain Design  
Integrity

Contractor M&M  
Collaboration

Deliver Coordinated  
Construction  
Package



# The Story of the Lakes







A black and white photograph of three fluffy ducklings swimming in water. The ducklings are covered in dark, downy feathers and have long, pointed beaks. They are positioned in the upper half of the frame, with their heads and backs visible above the water. The water is calm with gentle ripples. A white rectangular box is superimposed over the lower part of the ducklings, containing the text "Pete Pouldeau" in a bold, white, sans-serif font.

**Pete Pouldeau**





Sculptural Bird Habitat Structures

Primary Loop Multi-Use Trail

The Last 5 Years

Lakeside Lawn Panel

BOTANICAL



A photograph of three white pelicans in a body of water. One pelican in the foreground is holding a small fish in its long, orange beak. Another pelican is behind it, also with its beak open. A third pelican is to the right, looking towards the camera. The background shows a dense thicket of green and brown vegetation.

# The Next 50 Years









# Questions & Answers

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