

BUILD A TEAM

RJC
Mark Bowen
Bridge Engineer & Team Lead



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Smoke Architecture
Jennifer Kinnunen
Architect & Indigenous Engagement



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MVVA
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Landscape Architect & Design Integrator

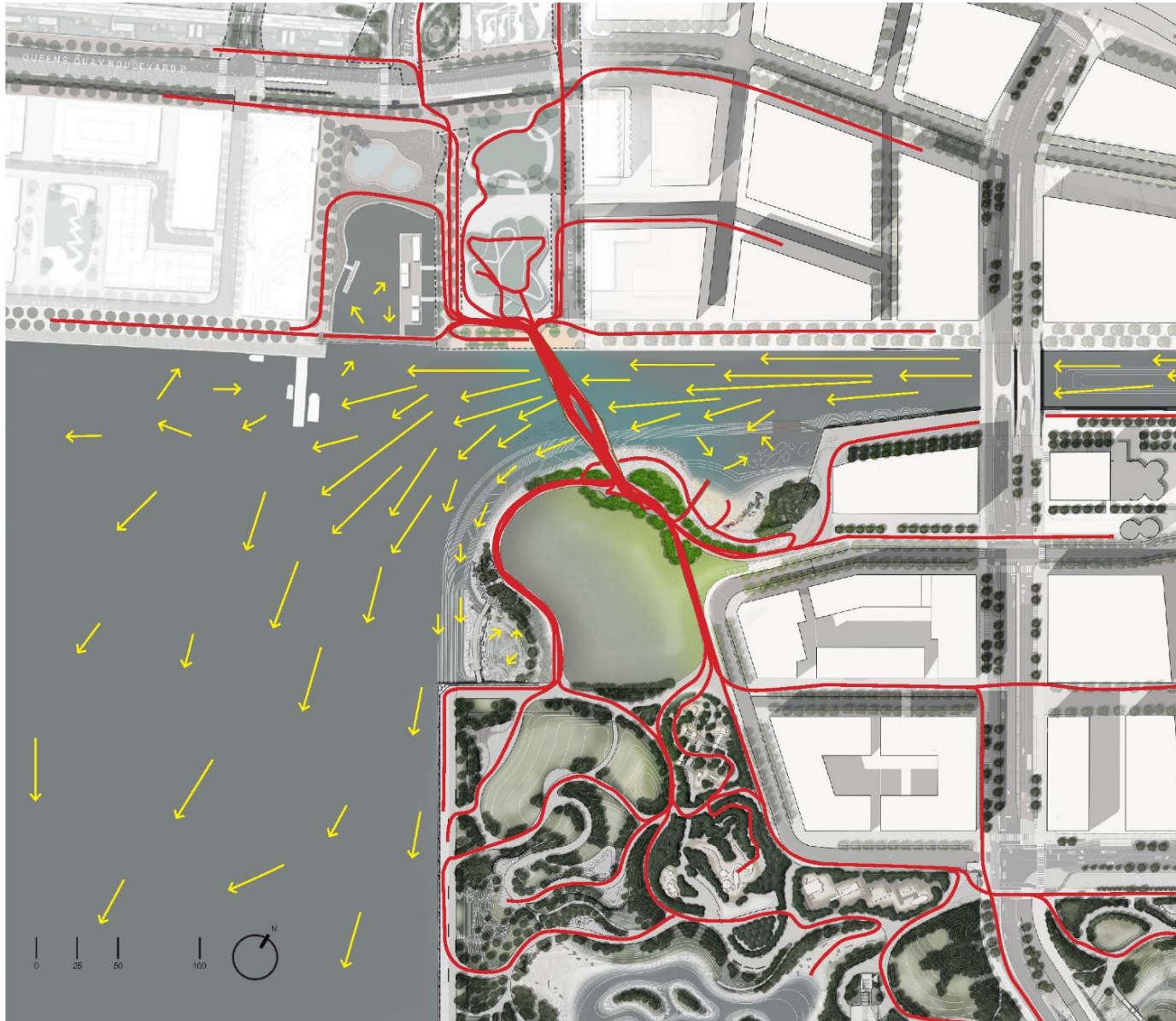


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ANTA
Mario Guisasola
Bridge Designer



HARNESS TWO FLOWS



Life Ebbs In Two Directions With This Proposed Bridge

The surface-dwellers of the bridge flow between the hyper-urbanism of the Central Waterfront and the hyper-naturalism of the Port Lands project

The bridge sits at the transition between the higher velocity flows of the Keating Channel, and the open harbour waters that are deeper and more complex

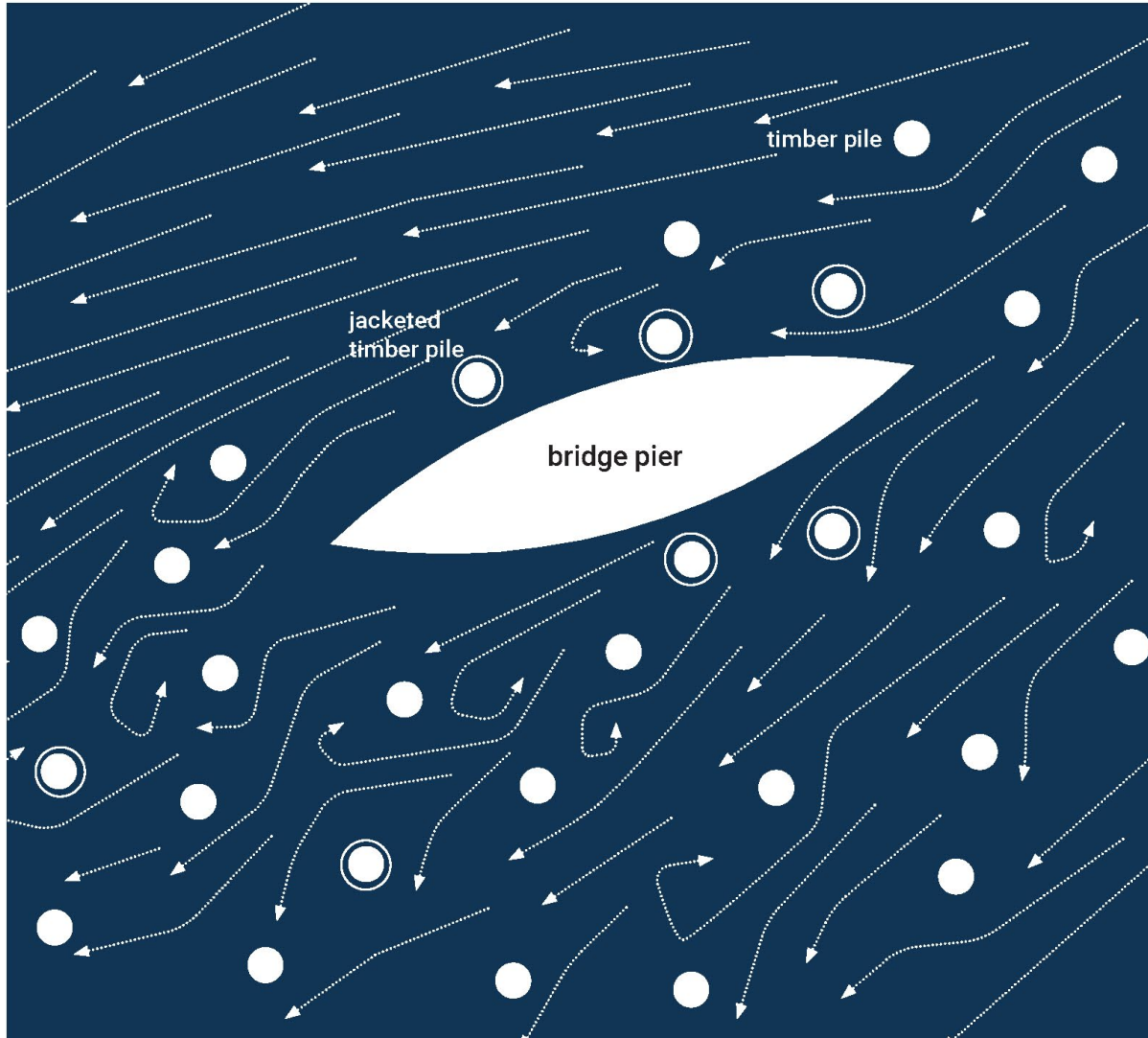


RESPOND TO THE DISTINCT GEOGRAPHY OF THIS LOCATION

BUILD A MOSAIC OF ECOLOGICAL NICHES

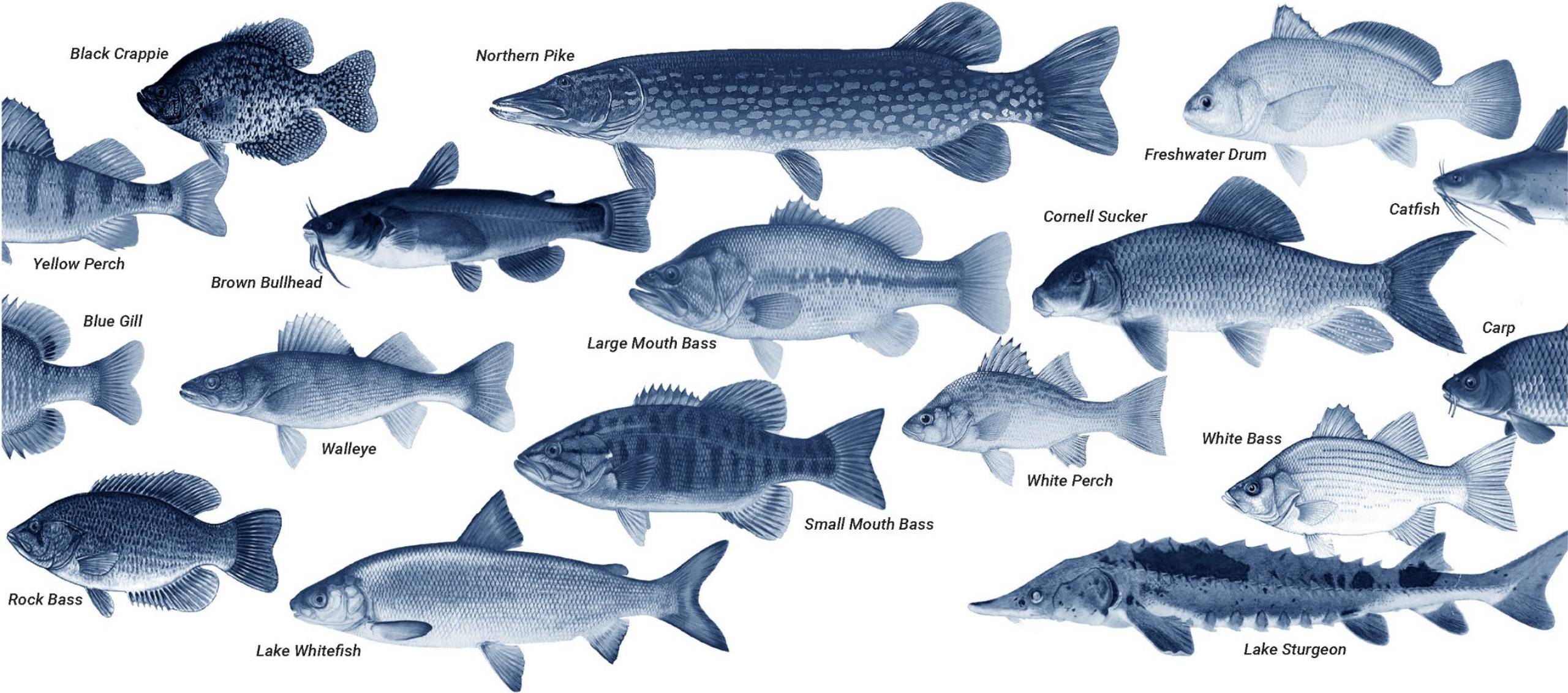


UNDERSTAND AQUATIC HABITATS



Interference of Keating Channel flows in the wood pile field create a mosaic of pools, eddies, seams, and hydraulic cushions that provide a rich landscape for aquatic habitat

PROMOTE THE FISH HABITAT OF THE GREAT LAKES



Black Crappie

Northern Pike

Freshwater Drum

Yellow Perch

Brown Bullhead

Cornell Sucker

Catfish

Blue Gill

Large Mouth Bass

Carp

Walleye

Small Mouth Bass

White Bass

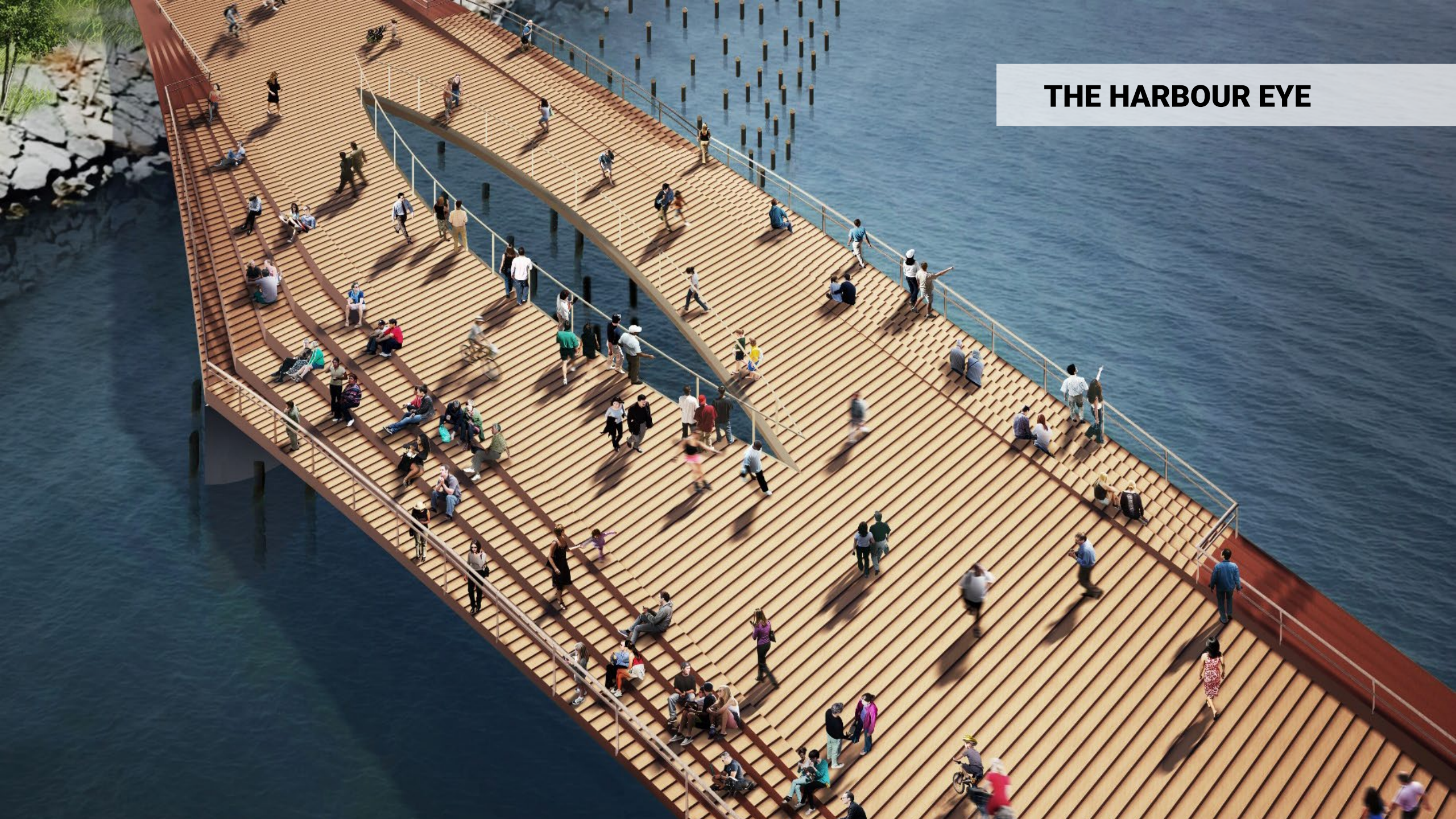
White Perch

Rock Bass

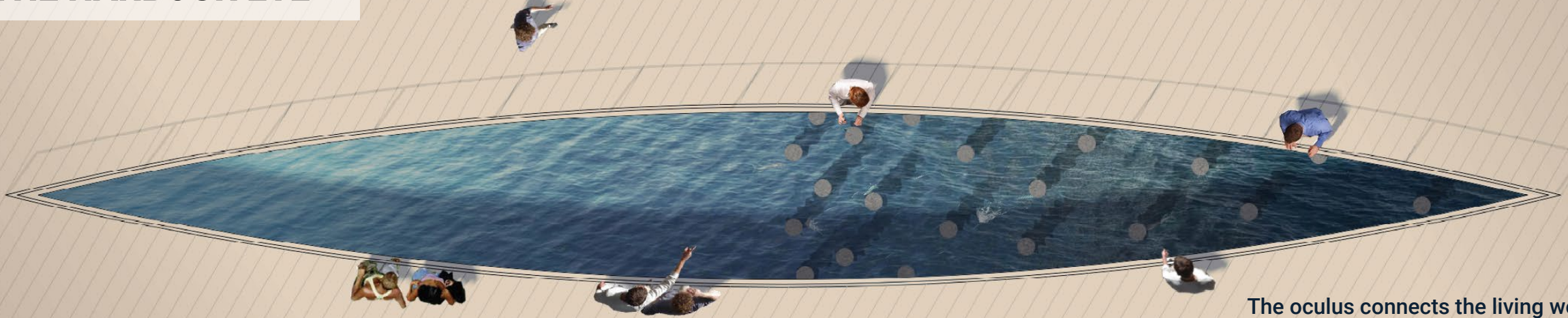
Lake Whitefish

Lake Sturgeon

THE HARBOUR EYE

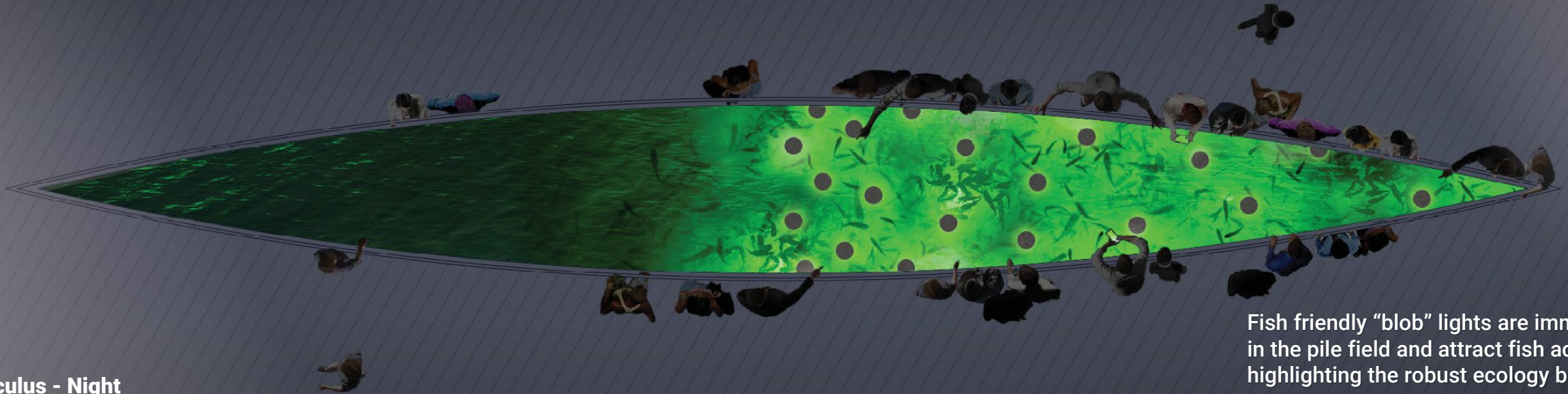


THE HARBOUR EYE



Oculus - Day

The oculus connects the living world below the water's surface to the terrestrial and reflects the celestial landscape far above



Oculus - Night

Fish friendly "blob" lights are immersed in the pile field and attract fish activity, highlighting the robust ecology below

THE INTERCONNECTEDNESS OF EVERYTHING



Nexus of Surface - and Water - Dwellers



Historic Fishing Weir ca. 1885



'Changes' by Jim Oslineegish - Anishinaabe

EXPLORE, PLAY, AND ENGAGE



Traditional Fish Weir on the Koeye River, BC



Create Shelter and Places for Nature Play



Invite Shoreline Exploration

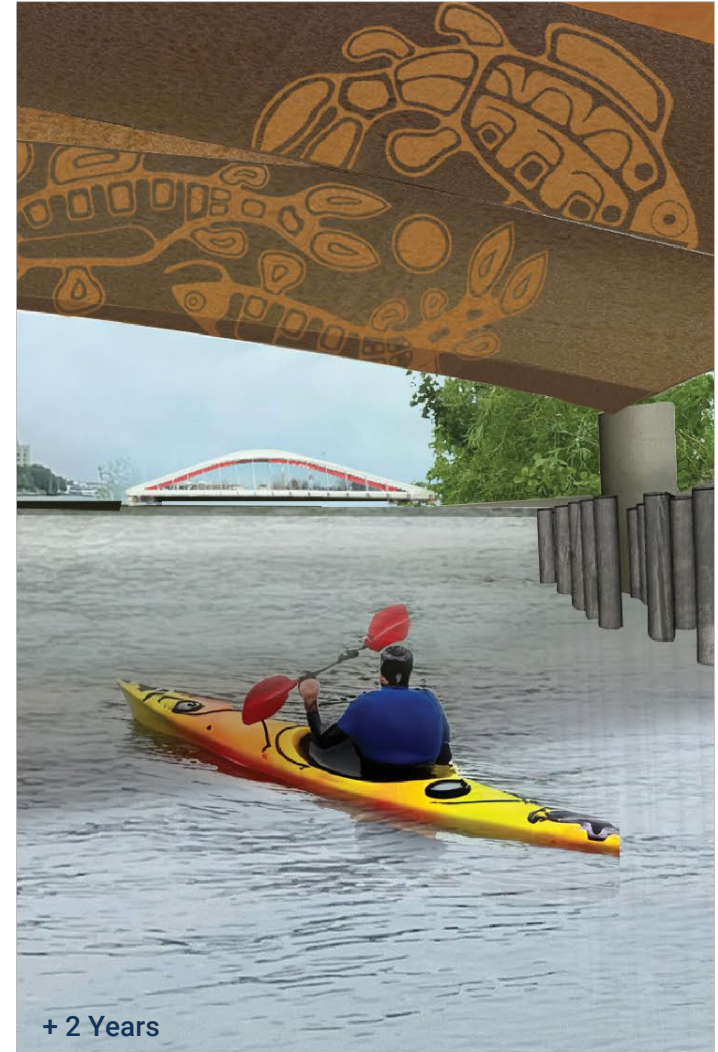
PROJECT INDIGENOUS VALUES OVER THE WATER



At Installation



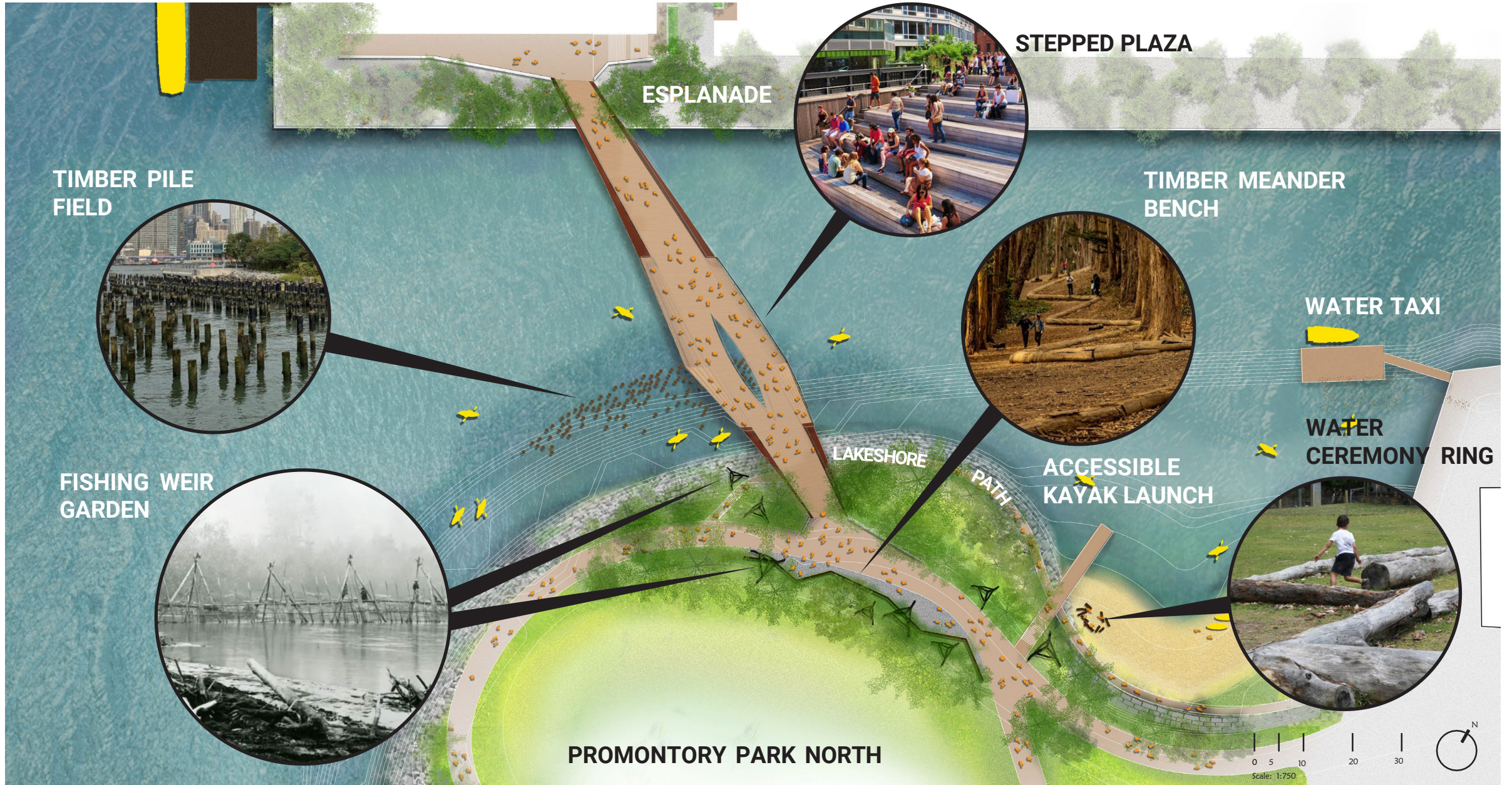
+ 2 Months



+ 2 Years

Stenciled chemical applications could stabilize the corrosion of the weathering steel as a strategy for integrating indigenous art on the vaulted undercroft of the bridge

CONNECT THE HYPER-URBAN TO THE HYPER-NATURAL



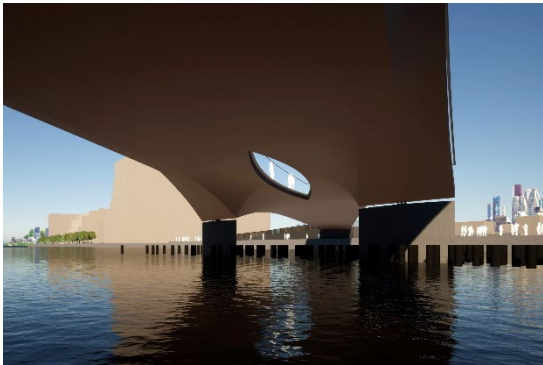
INNOVATE WITHIN A WELL-TESTED FABRICATION WORKFLOW



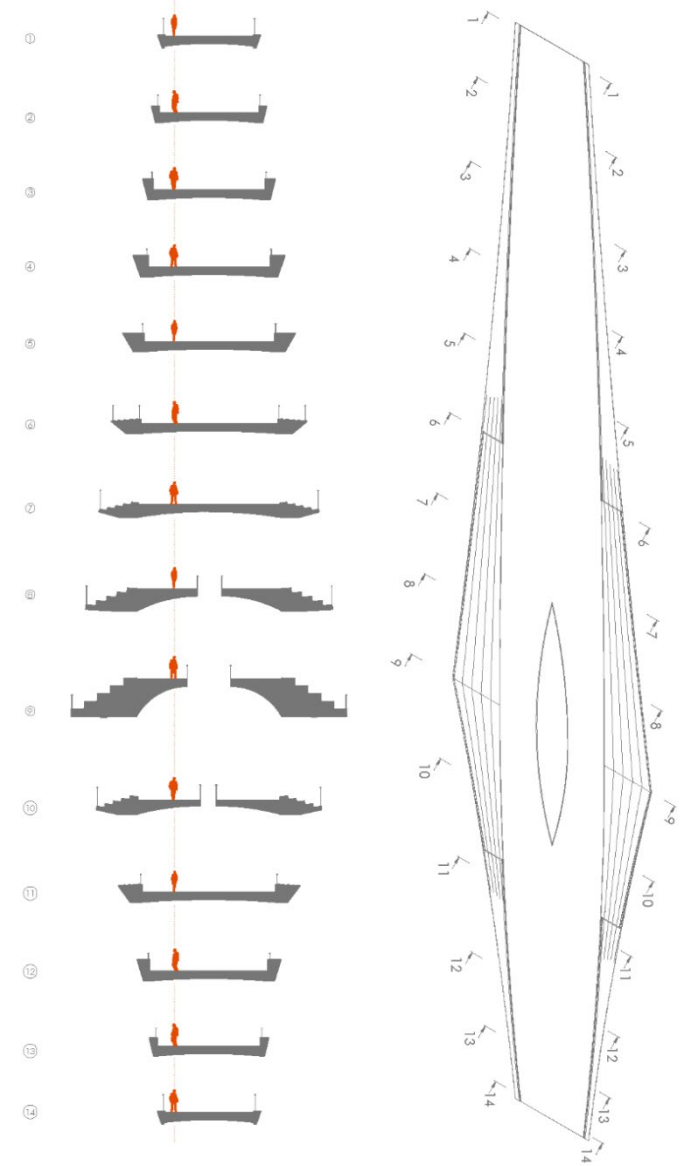
Varied Edge Plate Depth



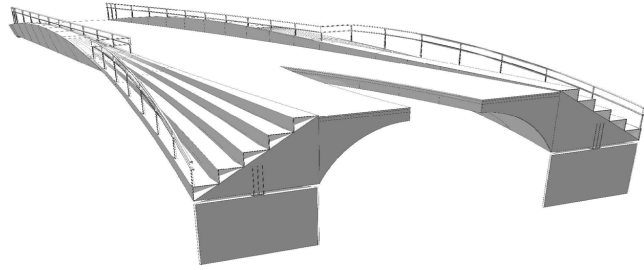
Oculus and Plaza Step-down



Vaulted Steel Undercroft

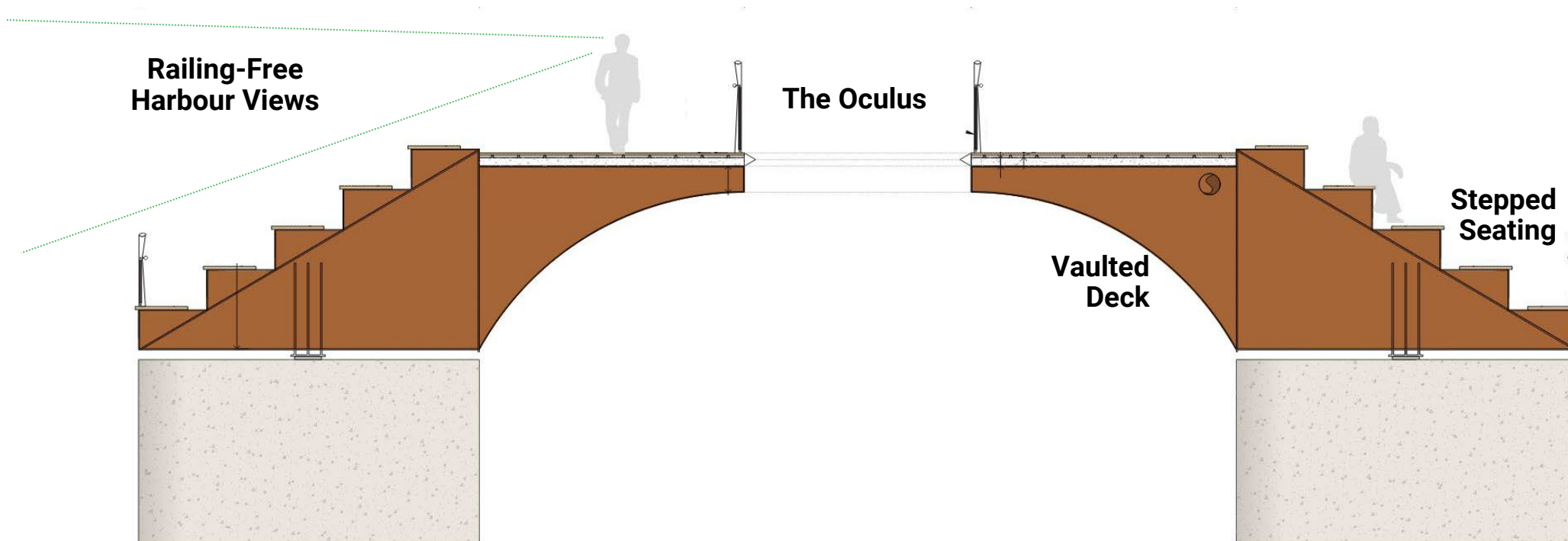


SHAPE A PLACE FOR GETTING CLOSER TO THE WATER



"Simplicity is about subtracting the obvious and adding the meaningful."

- John Maeda



LEARN FROM THE LAWS OF NATURE

LANDSCAPE CONNECTION

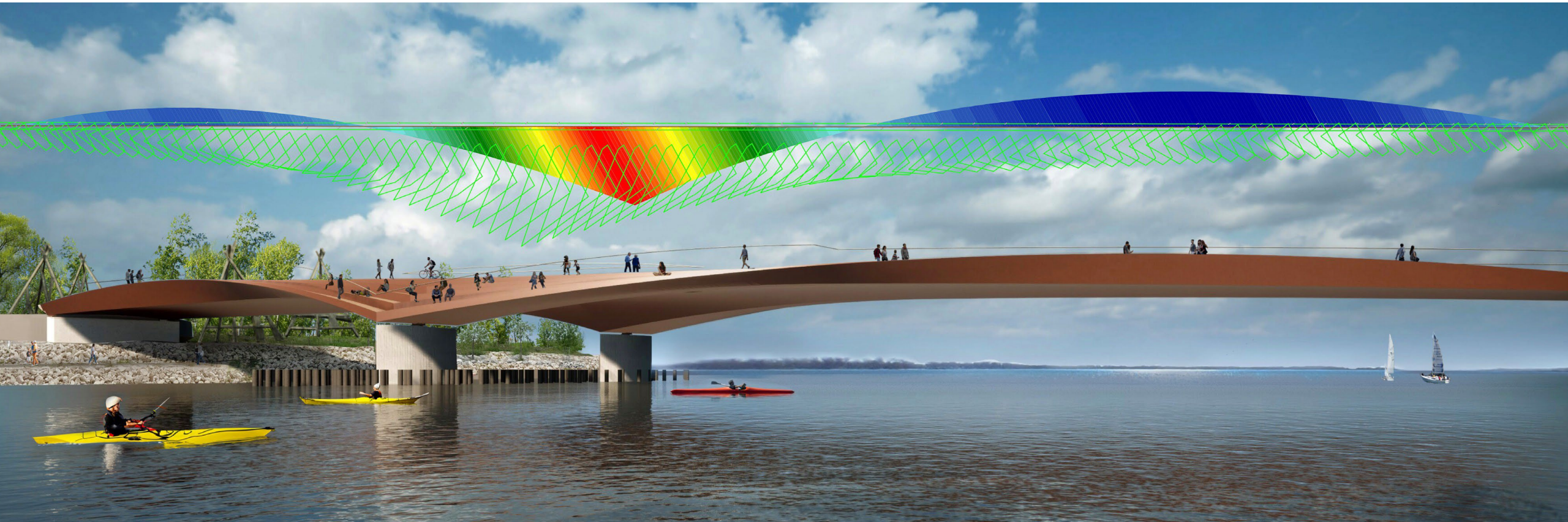
The bridge grows out of the landscape in which it sits

SIMPLICITY

The bridge design provides only what is essential to appreciate the powerful context of its geographic position

STRUCTURAL SHAPE

The bridge form is a rational expression of the forces that flow within the structure



THE HARBOUR EYE



Create a Beautiful and Distinctive Gateway to the Waterfront



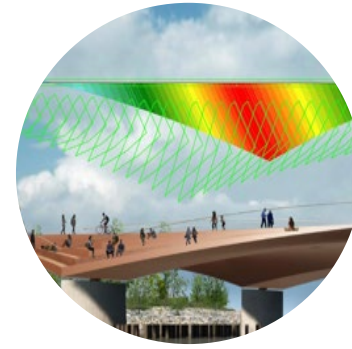
Connect the City to Nature



Incorporate a Living Landscape



Create with Indigenous Voice and Agency



Embody Sustainable Strategies and Innovation



Create A Place for All People