SASAKI CAMPUS

URBAN ARCHITECTURE
civil engineering
graphic design
INTERIOR DESIGN
landscape architecture
PLANNING
strategies
urban design
CAMPUS
An exhibition curated by Sasaki Associates
In partnership with the Boston Architectural College
On view at District Hall
75 Northern Avenue
Boston, MA 02210
April 7–June 13 2014

SEA CHANGE BOSTON examines the city's vulnerabilities to sea level rise and demonstrates design strategies for resilience.
MANAGED DISTRIBUTARIES

A LAND-BUILDING APPROACH THAT HARNESS THE MISSISSIPPI RIVER’S FULL POTENTIAL
REBUILD BY DESIGN
LESSONS LEARNED

THINK BIGGER

❤ YOUR ECOLOGIST

EXPECT THE UNEXPECTED
THINK BIGGER
WATER IS REGIONAL
THREE COASTAL TYPOLOGIES

- Barrier Island
- Headlands
- Inland Bay
REGIONALLY RELEVANT

ATLANTIC SEABOARD

SANDY AFFECTED AREAS

NEW JERSEY SHORE

INLAND BAY

BARRIER ISLAND

HEADLANDS

INLAND BAY

Rockaway

Virginia Beach

Nags Head

Myrtle

Monmouth County

Ocean County

Raritan Bay

Asbury

Barnegat Bay

Rockaway

Raritan Bay

Monmouth County

Ocean County

INLAND BAY

BARRIER ISLAND

HEADLANDS
SHORE IS AT RISK
VARIED DYNAMICS OF SEA LEVEL RISE AND LAND

- **Inland Bay**: Most valuable land loss between 3-4', $725 million
- **Headlands**: Most valuable land loss between 2-3', $768 million
- **Barrier Island**: Most valuable land loss between 1-2', $4.75 billion

- Mills of New Jersey tax dollars lost to sea level rise:
  - 1': $526.6 million
  - 2': $725 million
  - 3': $768 million
  - 4': $4.75 billion
A RESILIENT JERSEY SHORE
THREE CATALYSTS TO DRIVE INNOVATION IN RESILIENCY

INLAND BAY
HEADLANDS
BARRIER ISLAND

Ocean & Monmouth Counties
ONE PROPERTY OWNER, IFF

WE NEED TO MAKE ROOM FOR WATER

"WHEN IT RAINS, IT FLOODS..."

"NATCO LAKE? WHAT NATCO LAKE?"

NATCO LAKE

STORM SURGE

STORM SURGE

VIEWS TO MANHATTAN
Innovative Stormwater Infiltration

Partnerships in Bio-Remediation of Contaminated Land

NATCO Lake Renewed

Create More Space for Future Wetlands

Ecological Engagement
EXISTING CONDITIONS - LIMITED HABITAT
Limited palette of habitats, no space for habitat migration in the case of sea level rise.

20 YEARS - CREATE ADDITIONAL HABITAT
Carve habitat terraces adjacent to existing habitat, creating space for water to take over salt marsh/wetland & salt marsh/wetland to take over meadows as sea level rises.

50 YEARS - SEA LEVEL RISES, HABITATS MIGRATE
Sea level rises, flooding salt marshes and some freshwater wetland. Terraces provide new salt marsh and wetland habitat for species to move into.
EXPECT THE UNEXPECTED

PEOPLE WILL SURPRISE YOU.
I want to be part of a Jersey Shore where...

Rank your priorities using the stars below: 5 is the highest ranking and you have 25 stars total.

- There is diversity, year-round tourism or recreation economy
- There is less traffic
- We invest in conservation efforts to protect the beaches, bays, Pine Barrens, and other natural resources
- My community's residents have a mix of incomes
- I am safe from flooding and storm surge
- My taxes are low
- The community invests in new development
- We have clean air, water, and land
- I can afford flood insurance
- I have views and/or access to the water
- I can live and work in my community
- The Jersey Shore is a cultural, recreational amenity for future generations
- I know my neighbors and feel like I belong to my community
- There is well-maintained infrastructure (stormwater, wastewater, energy)
DIVIDED URBAN FABRIC, DIVIDED CULTURE