



WEDG

Neighborhoods Shape Your Waterfront



WATERFRONT ALLIANCE

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Waterfront Edge
Design Guidelines



Who we are

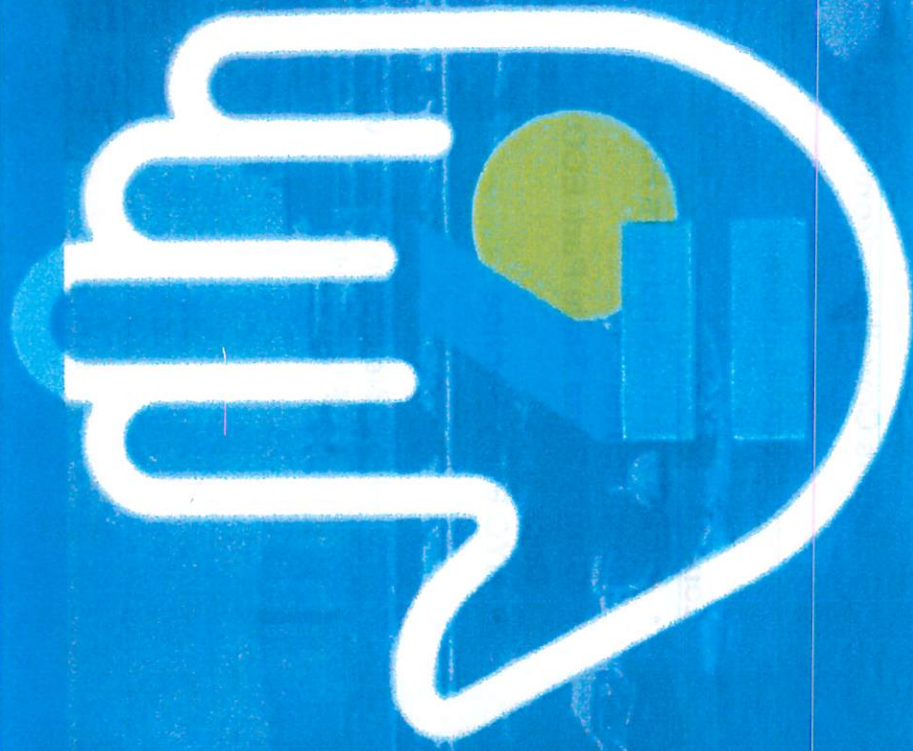


The Waterfront Alliance inspires and effects resilient, revitalized, and accessible coastlines for all communities.



Join the movement

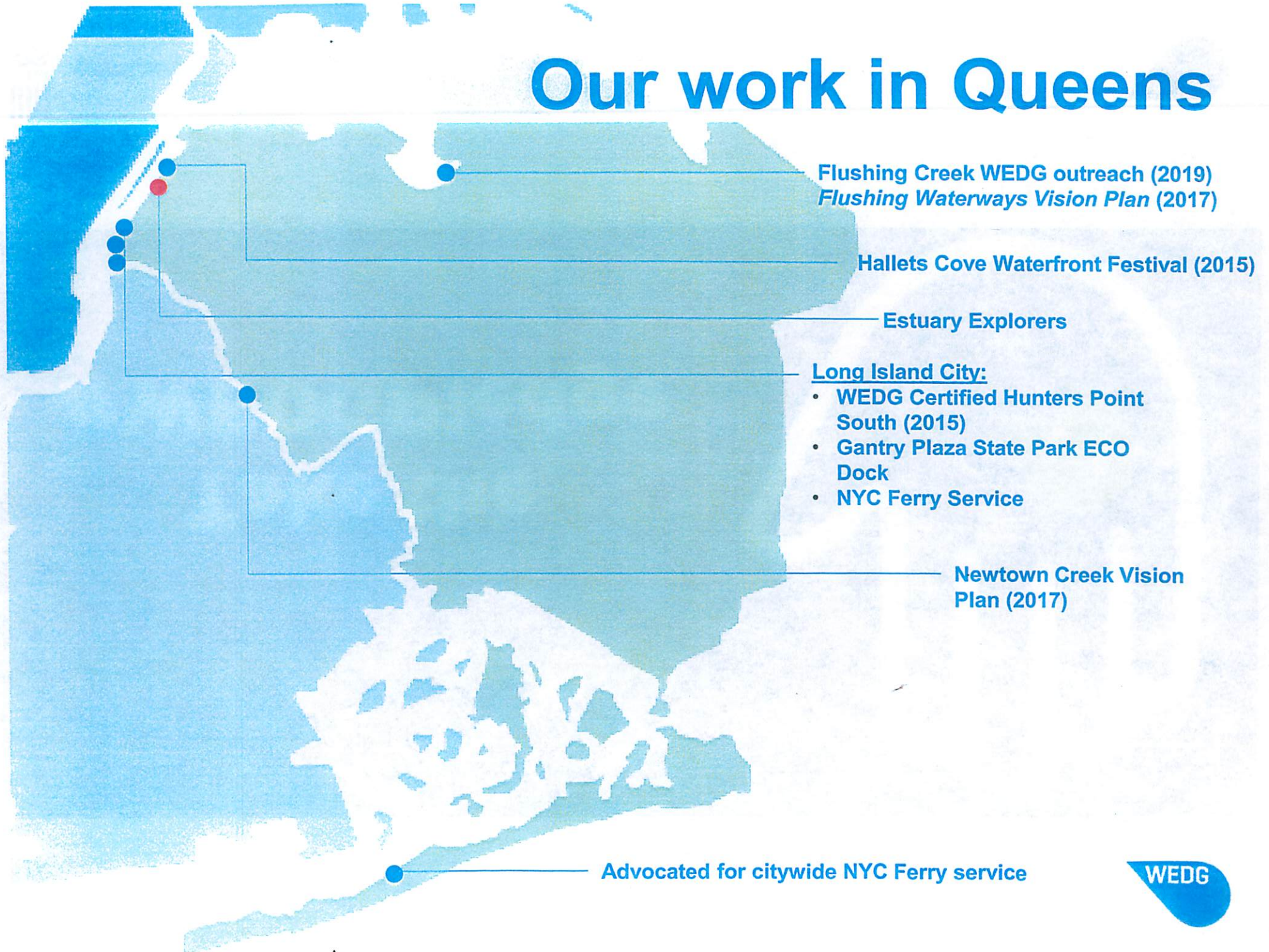
**Take the
#WEDGpledge**



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Our work in Queens



Flushing Creek WEDG outreach (2019)
Flushing Waterways Vision Plan (2017)

Halletts Cove Waterfront Festival (2015)

Estuary Explorers

Long Island City:

- WEDG Certified Hunters Point South (2015)
- Gantry Plaza State Park ECO Dock
- NYC Ferry Service

Newtown Creek Vision Plan (2017)

Advocated for citywide NYC Ferry service

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NYC rights to excellent waterfronts

Equitable, Sustainable, Resilient
NYC Waterfront Revitalization Program

Clean
The Clean Water Act

Natural
The Coastal Wetlands Protection Act

Public
The Public Trust Doctrine



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But there are many challenges...



The cost of coastal living is rising



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Image: NYC Dept. Design and Construction

35838



**Coasts are home to 1+ billion, but
we're often disconnected**



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Image: Douglas Felder/OurTown

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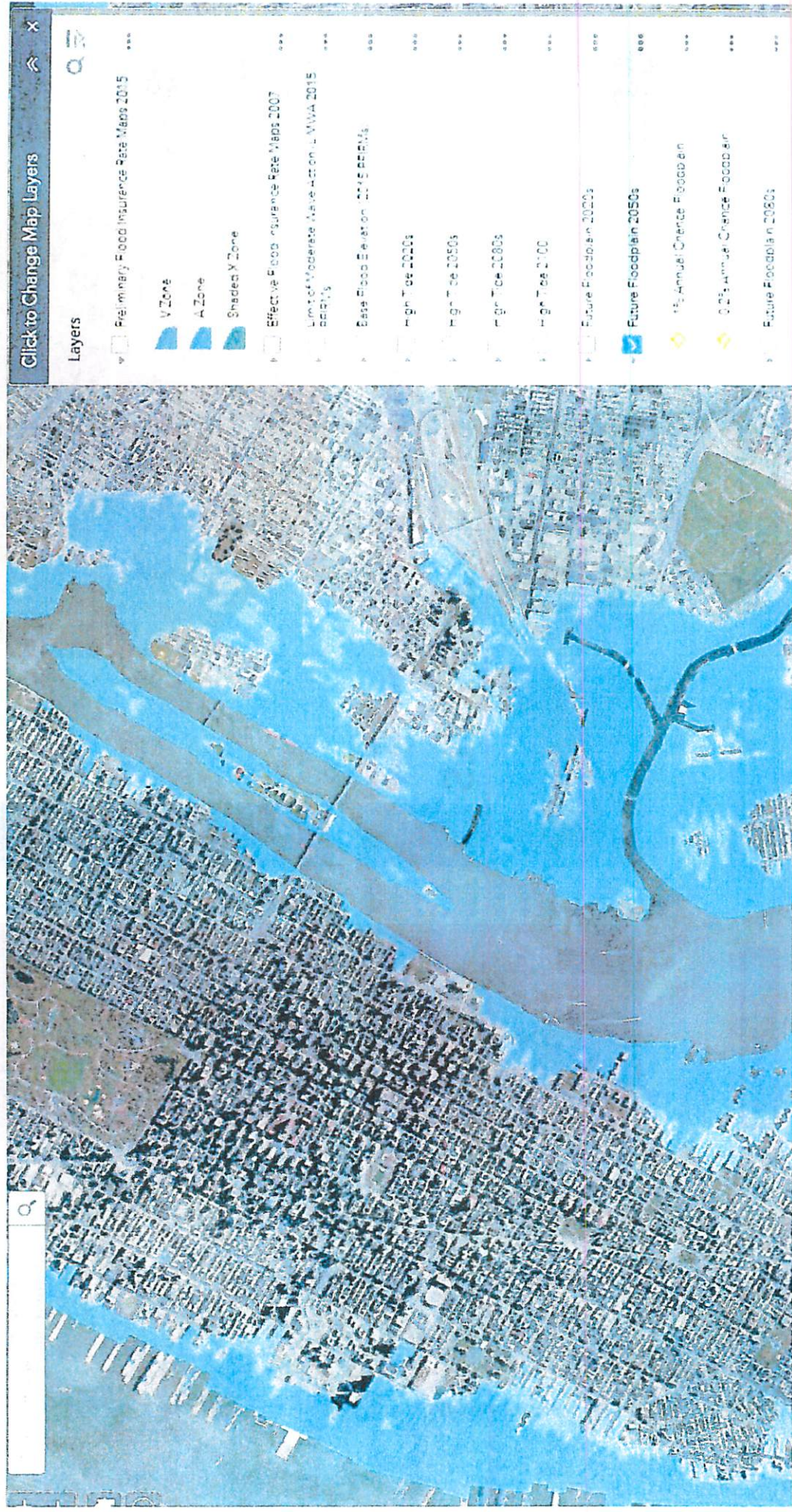
We're losing our wetlands



Image: US Fish and Wildlife Service

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Future Floodplain LIC 2050





Harbor Scorecard



女 0.000000

...I STRONG

Boating "education"

% unsafe, swimming*

50% finer
risk by 2050*

**WATERFRONT
ALLIANCE**

Community District

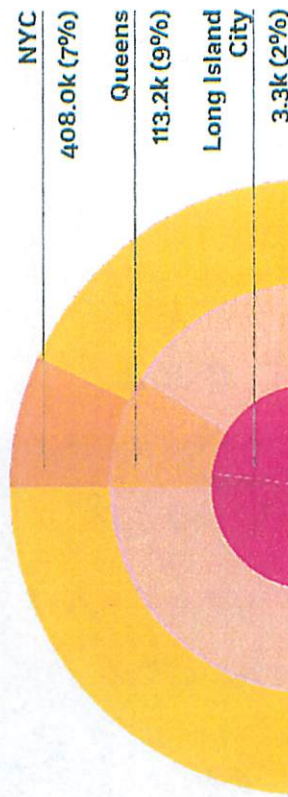
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MANHATTAN

BRONX

STAY DRY

How many people have 50% chance by 2060 of a major flood in their homes?



NYC
408.0k (7%)

Queens
3.2k (9%)

Long Island
City

3.3k (2%)

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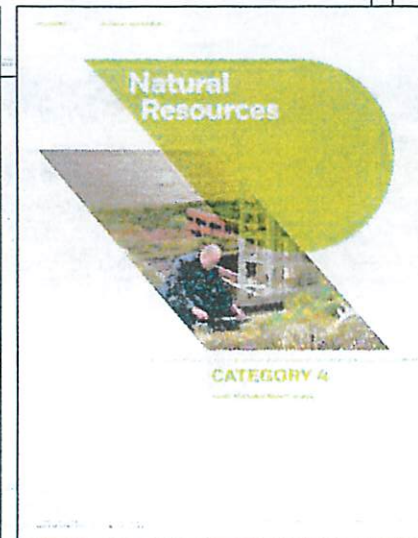
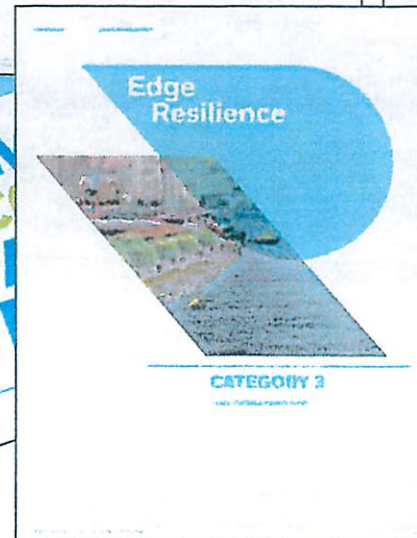
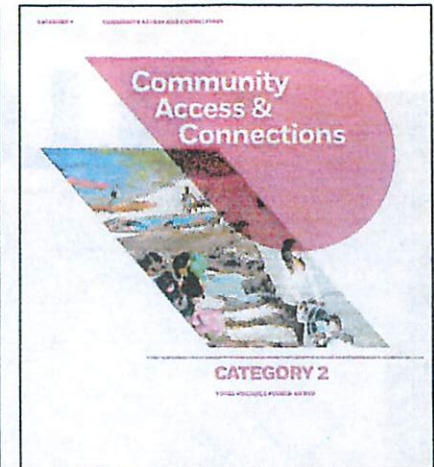
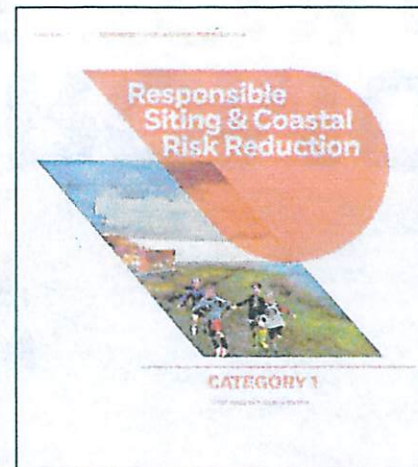
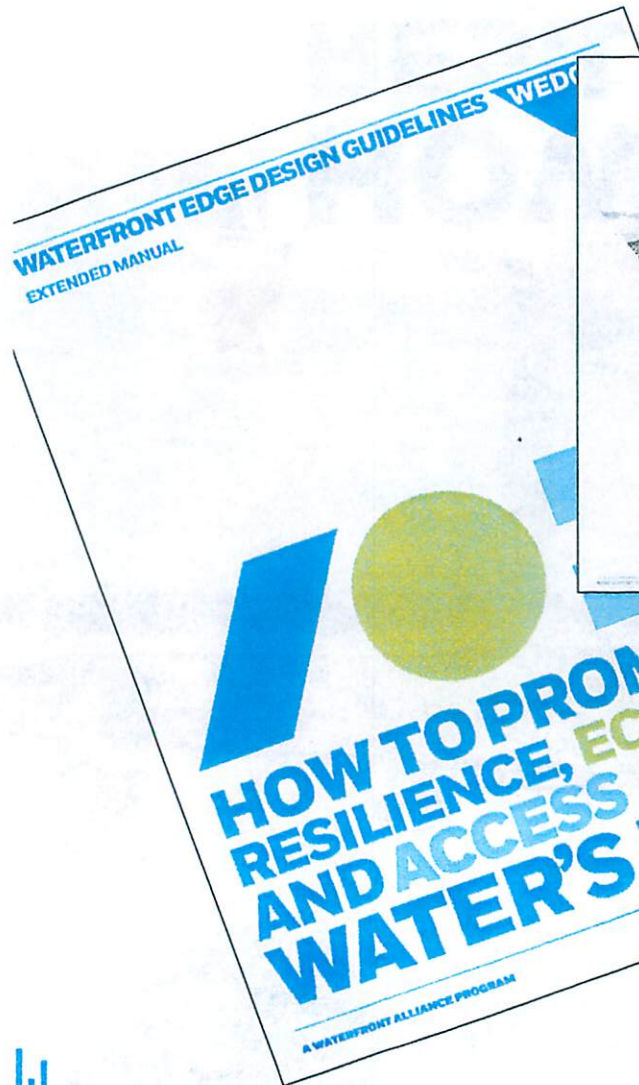
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Waterfront Edge Design Guidelines



**HOW TO PROMOTE
RESILIENCE, ECOLOGY,
AND ACCESS AT THE
WATER'S EDGE**

WEDG is a rating system and guidelines



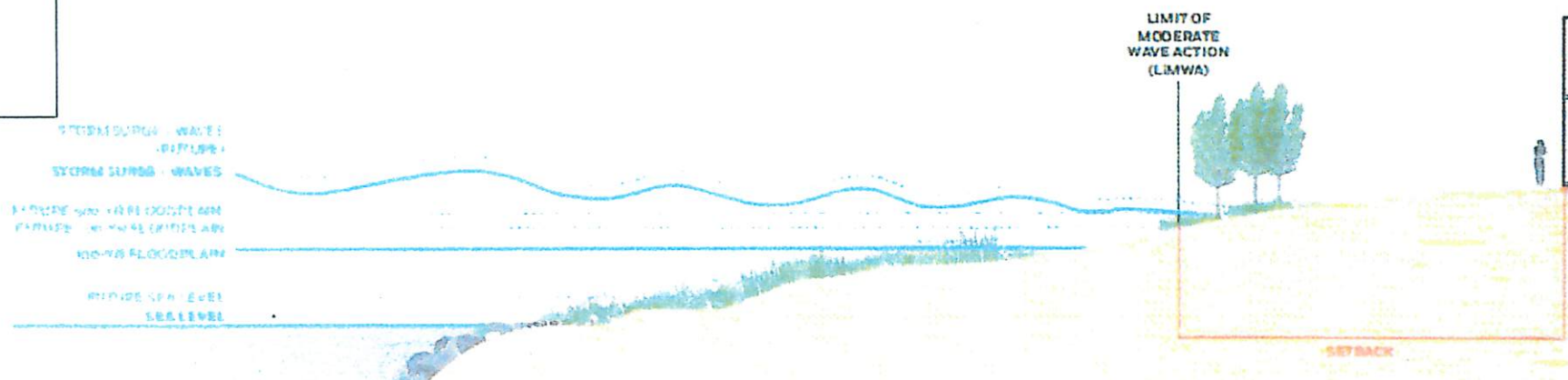
And a communications tool



Understanding community needs



Siting responsibly to avoid risks



CALCULATING DESIGN FLOOD ELEVATION^{17,18}

BASE FLOOD ELEVATION	+	FREEBOARD	+	SEA LEVEL RISE ADJUSTMENT	=	DESIGN FLOOD ELEVATION
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Use the FEMA 100-year floodplain base flood elevation. Or, if seeking a elevation above the 500-year floodplain, use the methods in Appendix A to identify the 500-year floodplain baseline elevation.

12" (30.5cm); 24" (61cm) for critical structures

Determine the regionally-adjusted sea level rise expected for the design life of the project using methods in Appendix A. Use at least the moderate sea level rise scenario or higher.

Hunters Point South

Design strategies: design floodable spaces

WEDG
CERTIFIED



Hunters Point South

Design strategies: design floodable spaces

WEDG
CERTIFIED



Using community input to design



- FLOATING DOCK
- STREET END ENHANCEMENT
- GABION RETAINING WALLS
- NATIVE UPLAND PLANTING
- OYSTER SILL
- LOW MARSH PLANTING
- HIGH MARSH PLANTING
- CONCRETE FLOOD WALL
- BEACH GET DOWN
- CREEKSIDE TERRACE

