The background image shows a wide river, likely the Harlem River, with several tall, multi-story brick apartment buildings lining the opposite bank. In the foreground, a rocky shoreline is visible with some greenery. A group of people is sitting on the rocks in the lower left corner, looking towards the water. The sky is overcast with grey clouds. The title text is overlaid on the middle of the image.

Green Infrastructure & Parks in the Bronx & Harlem River UWFP

Sara Powell, Urban Waters Ambassador

October 18, 2019 – Washington, DC
UWFP National Training Workshop

Presentation Overview

1. Introduction to the Bronx & Harlem UWFP
2. NYC Parks overview
3. Three case studies
 - Bridge Park
 - Roberto Clemente State Park
 - Starlight Park
4. How partnerships expand impact of parks



URBANWATERS

FEDERAL PARTNERSHIP

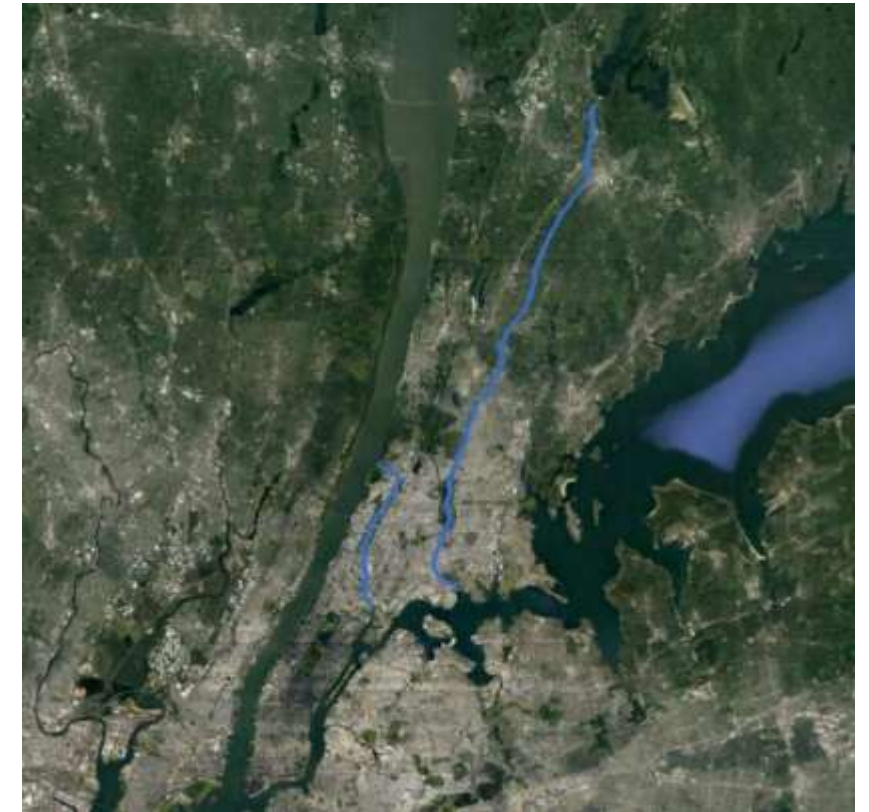
Restoring Urban Waters, Revitalizing Communities



Bronx & Harlem location
is led by **DOI (USGS)**

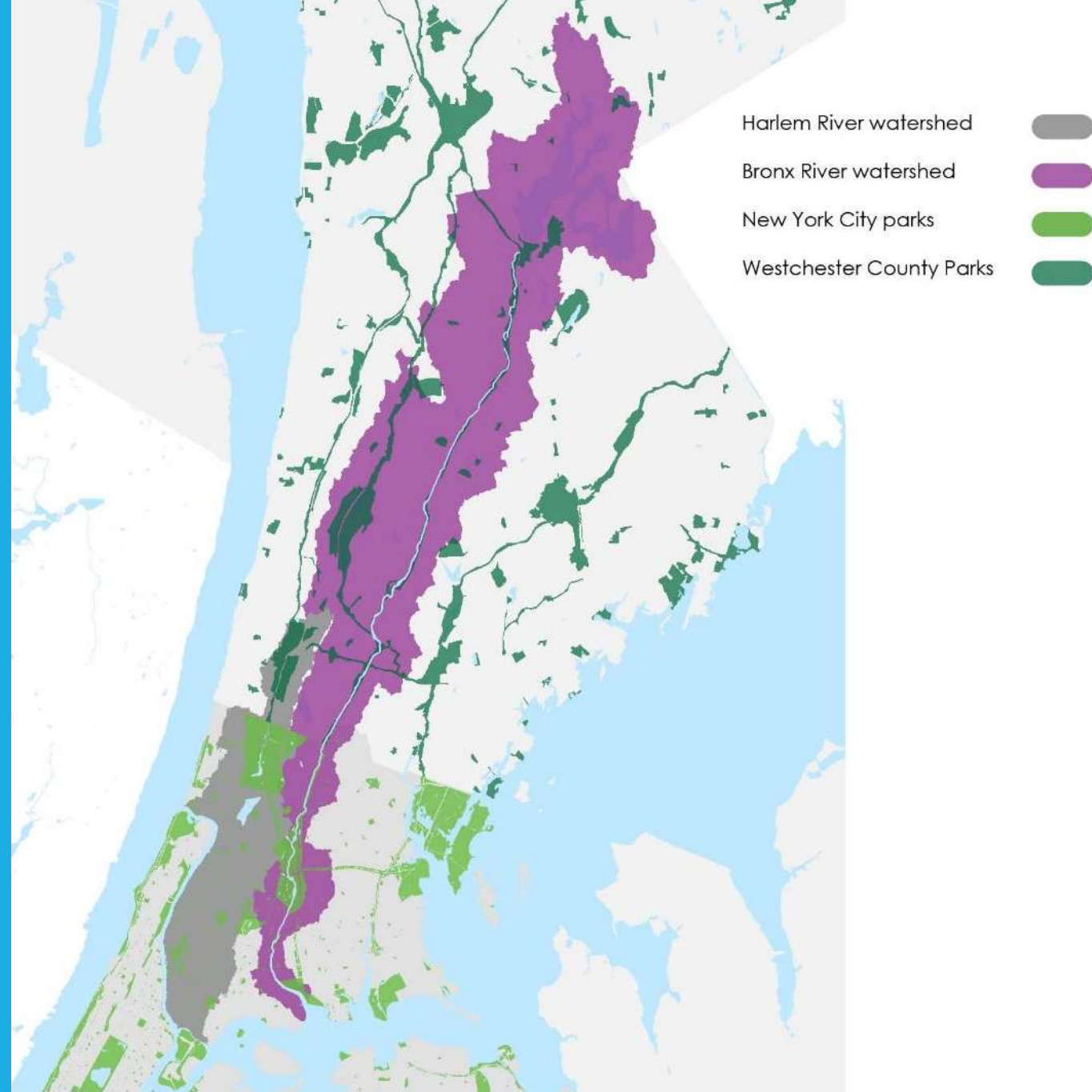
**One of the original
seven pilot locations**
established in 2011

South Bronx is home to
the most economically
disadvantaged
Congressional district in
the country



Local partners include:

- NY-NJ Harbor & Estuary Program/Hudson River Foundation
- NYC Parks
- NYS Parks
- Westchester County
- Bronx River Alliance
- Bronx Council for Environmental Quality
- Friends of Van Cortlandt Park



NYC Department of Parks & Recreation

Stewards of 5,000+ properties
(30,000+ acres of land) – **14% of NYC!**

10,000 acres of natural areas, 14 miles of beaches, 60 miles of streams & rivers, 600,000 street trees

Mission: to plan resilient and sustainable parks, public spaces, & recreational amenities, build a park system for present & future generations, & care for parks & public spaces



NYC Parks



Three Bronx Case Studies

Bridge Park South

New park + restored shoreline & GI to capture stormwater from nearby bridges

Cost: \$3.8 million



Bridge Park South

New park + restored shoreline & GI to capture stormwater from nearby bridges

Cost: \$3.8 million



Bridge Park South

New park + restored shoreline & GI to capture stormwater from nearby bridges

Cost: \$3.8 million

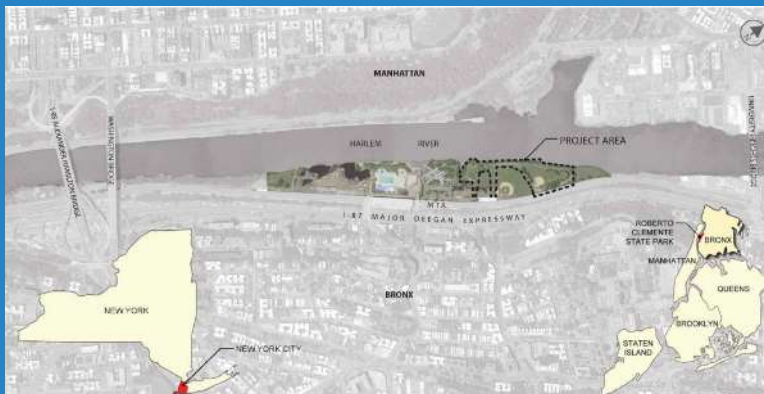


Roberto Clemente State Park

Intertidal zone with associated GI & upland improvements

Cost: \$~40 million

Main building also has a green roof that is used in educational programming



Images courtesy Roberto Clemente State Park



Roberto Clemente State Park

Intertidal zone with associated GI & upland improvements

Cost: \$~40 million

Main building also has a green roof that is used in educational programming



Starlight Park

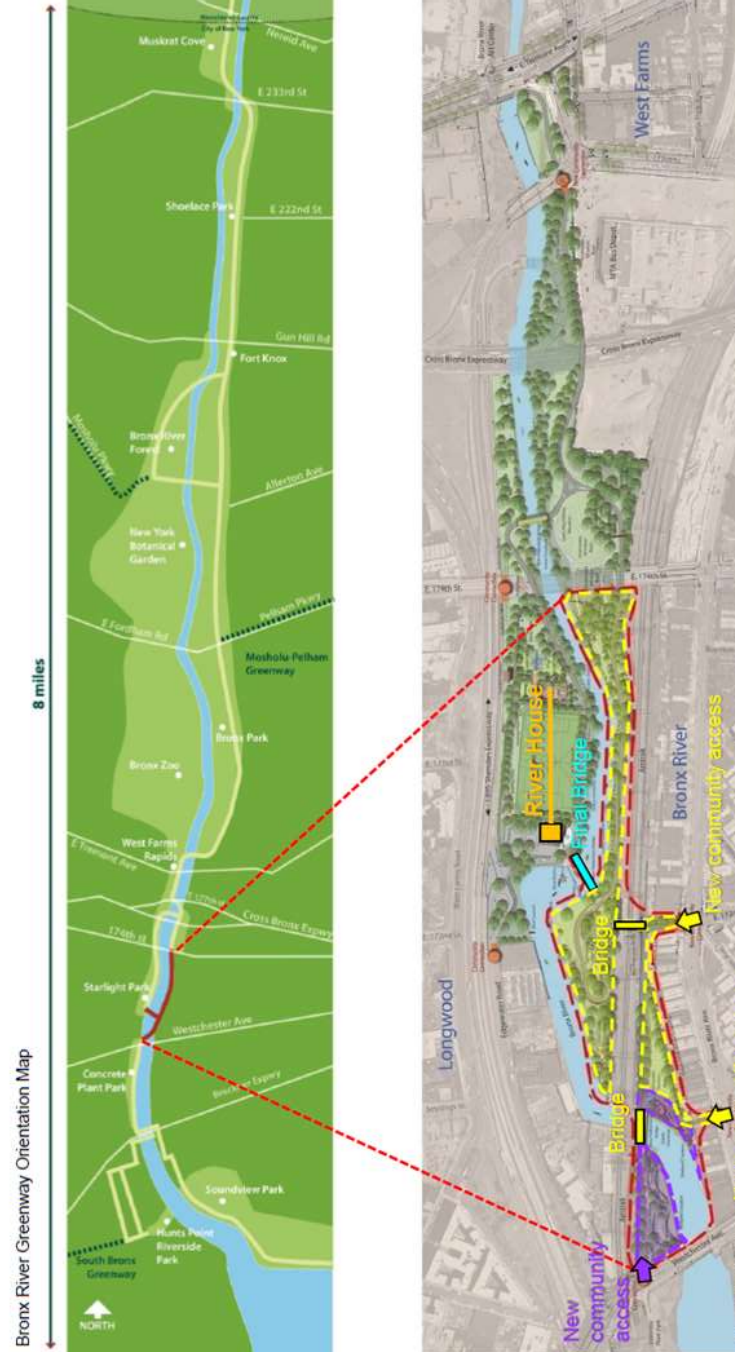
Cost: \$58.4 million

Restore floodplain functions for 1.7 acres, renaturalize 740 feet of armored shoreline, & restore native salt marsh grasses on ½ an acre of new wetland habitat

11 acres of parkland will be enhanced using GI

3 new pedestrian bridges

Bronx River House – Greenest Building in the South Bronx!



Starlight Park

Cost: \$58.4 million

Restore floodplain functions for 1.7 acres, renaturalize 740 feet of armored shoreline, & restore native salt marsh grasses on $\frac{1}{2}$ an acre of new wetland habitat

11 acres of parkland will be enhanced using GI

3 new pedestrian bridges

Bronx River House – Greenest Building in the South Bronx!



Images via Kiss + Cathcart Architects



Partnerships expand impact of parks





Thank you!

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