

GANBASE | NbS Workshop
Coastal Nature-based Solutions

June 20, 2025

Elizabeth Stoehr, Deputy Director





A public-private partnership dedicated to improving the 10,000+ acres of public parklands throughout Jamaica Bay and Rockaway Peninsula in Queens and Brooklyn, NYC





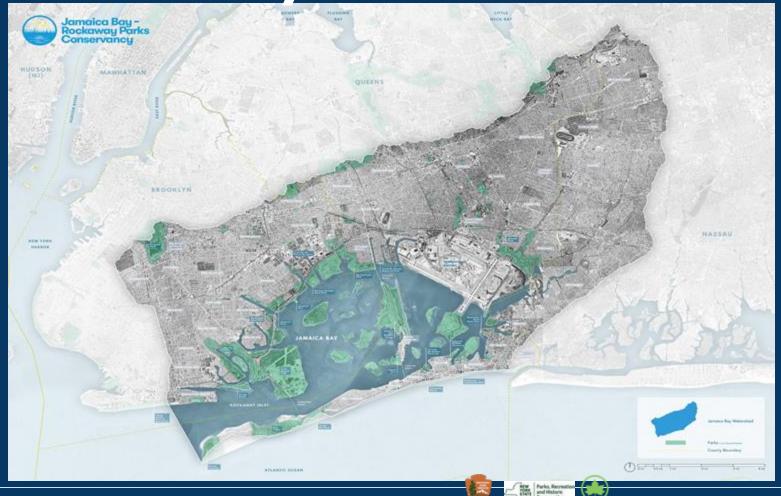








The Jamaica Bay Watershed











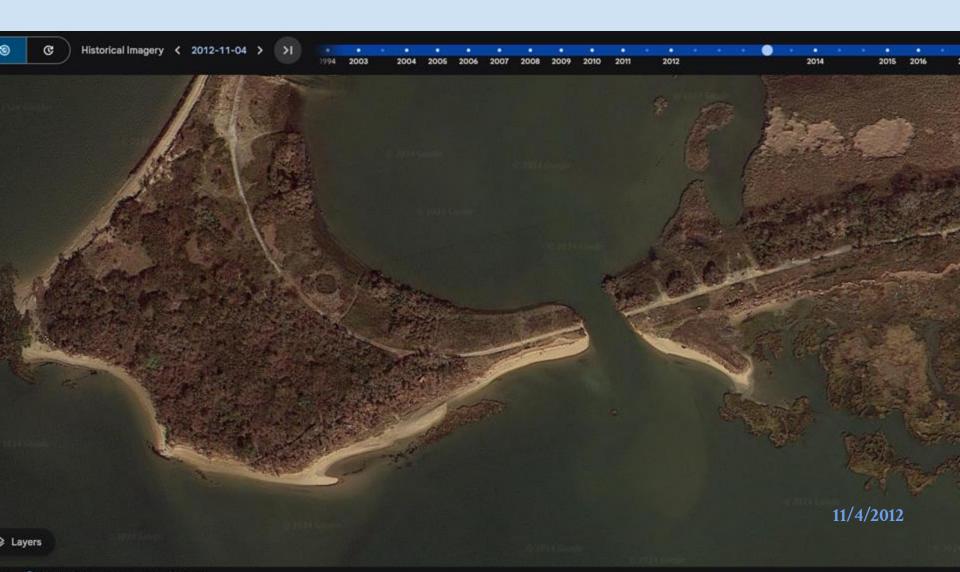


amaica Bay: frontline for nature-based solutions





Plan, Fail, Adapt, Repeat: Adaptive Innovation in Urban Shoreline Restorations



Nov. 2012

May 2020











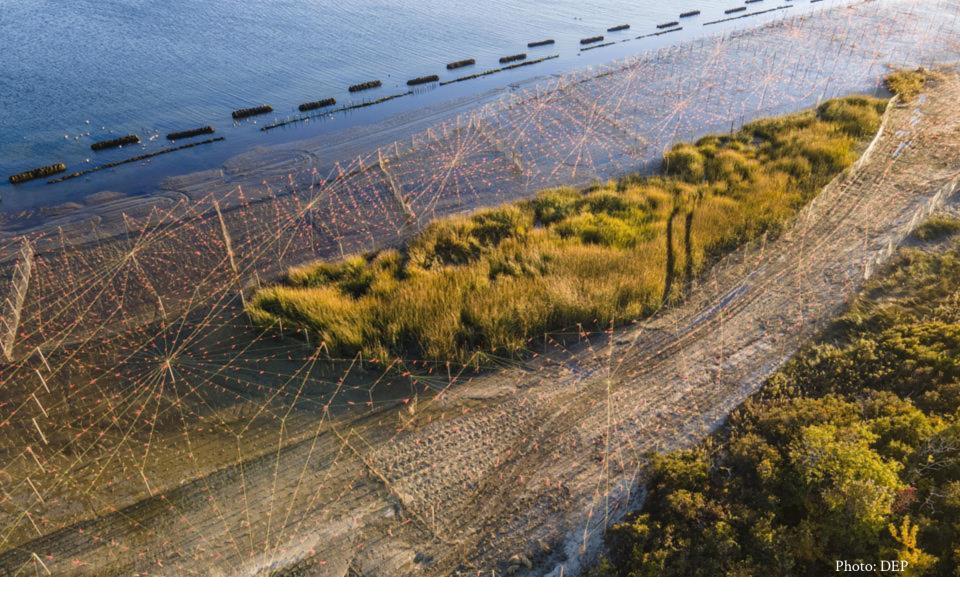














Forces of Nature -First Failures







West Pond Living Shoreline Replanting Plan - May 2023



Planting Plan: Adaptive Management in Action





Pilots: Failure is Feedback







Elevation Zone Replanting

Cluster Planting

Burlap Sediment Stabilization



Pilot. Assess. Adapt. Repeat











Jamaica Bay Wetlands Fellowship







Rapid Survey: Real-Time Monitoring and Decisions

Field Inspection

- Observe and document current site-specific conditions
- Compare conditions to as-built drawings

Visual Vegetation Inspection

- Observe for vegetation stem height and coverage
- Assess performance of general vegetative growth

Visual Topography Inspection

- Observe for unusual and impactful site conditions
- Observe for alterations to natural, restored, and artificial physical features

Aerial Photography

- Accurate, high-resolution aerial images
- Analyze large-scale patterns and trends



Rapid Survey in Action





What We're Learning

- Failure is feedback
- Monitor to act
- Plan for maintenance and adaptive management
- Permitting should allow adaptation







