RESTORATION PROGRESS 2016

Leveraged successes and implementation challenges
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6.8.16
**Wetlands**

**Target statement:** Create and restore coastal and freshwater wetlands, at a rate exceeding the annual loss or degradation, to produce a net gain in acreage.

**2020 goal:** *create a total of 1,000 acres of freshwater and coastal wetland*

**2050 goal:** *continue creating an average of 125 acres per year for a total system gain of 5,000 acres*
Wetlands

Woodbridge Waterfront Park (Woodbridge, NJ)

Teaneck Creek (Teaneck, NJ)
Shorelines and Shallows

**Target Statement:** create or restore shoreline and shallow sites with a vegetated riparian zone, an intertidal zone with a stable slope, and illuminated shallow water.

**2020 goal:** develop new shorelines sites in two HRE regions

**2050 goal:** restore available shoreline habitat in three HRE regions.
Shorelines & shallows

Brooklyn Bridge Park – Pier 4 Beach

Research

% of goal achieved

2020 2050

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Oyster reefs

Target statement: Establish sustainable oyster reefs at several locations.

2020 goal: 20 acres of reef habitat across several sites

2050 Objective: 2,000 acres of established oyster reef habitat
Oyster reefs

Naval Base Earle

Tappan Zee oyster mitigation research
Target statement: reconnect and restore freshwater streams to the estuary to provide a range of quality habitats to aquatic organisms

2020 Objective: restore connectivity or habitat within one tributary reach per year

2050 Objective: continue rate of restoring and reconnecting areas
Tributary connections

182 St. dam fish passage
Coastal and Maritime Forests

**Target statement:** Create a linkage of forests accessible to avian migrants and dependent plant communities.

**2020 Objective:** Establish one new maritime forest of at least 50 acres and restore at least 200 acres among several coastal forest/upland habitat types.

**2050 Objective:** 500 acres of maritime forest community among at least three sites and 500 acres of restored coastal forest/upland habitat.
Coastal and Maritime Forests

Alley Pond Park (NY)

Monmouth Beach (NJ)

Pelham Bay Park (NY)
Eelgrass beds

**Target statement:** Establish eelgrass beds at several locations in the HRE study area

**2020 Objective:** Create one bed in at least three HRE regions

**2050 Objective:** Three established beds in each suitable HRE region

Progress: multiple test beds, no sustained beds
Acquisition

**Target statement:** protect ecologically valuable coastal lands throughout the Hudson-Raritan Estuary from future development through land acquisition

**2020 Objective:** acquire 1400 acres of habitat for protection

**2050 Objective:** continue to restore at a rate of 200 acres per year or 7,400 acres total
Acquisition

Swimming River Park (Middletown, NJ)

New York and New Jersey state flood-prone acquisitions
Target statement: restore and protect roosting, nesting, and foraging habitat (i.e. inland trees, wetlands, shallow shorelines) for long-legged wading birds.

2020 Objective: enhance at least one island without an existing waterbird population in HRE regions containing islands and create or enhance at least one foraging habitat

2050 Objective: all suitable islands provide roosting and nesting sites and have nearby foraging habitat
Public Access

Target statement: Improve direct access to the water and create linkages to other recreational areas, as well as provide increased opportunities for fishing, boating, swimming, hunting, hiking, education, or passive recreation.

2020 Objective: create one access and upgrade one existing access per year

2050 Objective: all waters of the HRE are accessible
Public Access

Bush terminal piers park

New Stapleton Waterfront

Secaucus walkway (Secaucus, NJ)
Target statement: create functionally related habitats in each of the eight regions of the Hudson River Estuary.

2020 Objective: create one complex of at least two functionally-related habitats in each region.

2050 Objective: each region should have four habitat complexes of at least two related habitats.
Sediment contamination

**Target statement:** isolate or remove one or more sediment zone(s) that is contaminated until such time as all HRE sediments are considered uncontaminated based on related water quality standards, fishing/shell-fishing bans, or consumption advisories, and any newly-promulgated sediment quality standards, criteria, or protocols.

**2020 Objective:** *isolate or remove at least 25 acres of contaminated sediment*

**2050 Objective:** *isolate or remove at least 25 acres of contaminated sediment every two years*
Sediment contamination

Horseshoe Road and Atlantic Resources (Sayreville, NJ)

Gowanus Canal (Brooklyn, NY)
Enclosed and confined waters

**Target statement:** improve water quality in all enclosed waterways and tidal creeks within the estuary to match or surpass the quality of their receiving waters

**2020 Objective:** improve the water quality or environmental conditions of eight confined water bodies to meet their current designated use classification

**2050 Objective:** improve the water quality or environmental conditions of eight confined water bodies to meet the criteria of receiving waters

Paerdegat Basin (Brooklyn, NY)
Mapping progress and opportunities