



Ian Douglas, Metropolitan Waterfront Alliance



At the Bronx workshop, participants worked with local planners to identify opportunity areas on the waterfront in their neighborhoods.

CHAPTER 4

Vision 2020 Neighborhood Reach Strategies

The citywide strategies presented in *Vision 2020* will affect every stretch of waterfront in the city. But because New York's 520 miles of shoreline are incredibly diverse, each segment requires a local strategy, too. Planning for the stretches of waterfront near where New Yorkers live, work, and play is crucial because these are the places where most people will experience the waterfront on a daily basis.

The *Comprehensive Waterfront Plan* of 1992 divided the city's waterfront into 22 segments, or reaches (a nautical term for a continuous expanse of water). These reaches were designated based on land use, natural features, and physical and political boundaries. *Vision 2020* presents updated strategies for these 22

reaches, offering site-specific projects that will enhance public access, maritime industry, water recreation, the natural environment, new development, and other activities.

Many of these specific proposals sprang from workshops in the five boroughs that the Department of City Planning organized last year. At these meetings local stakeholders and community planners discussed local waterfront issues and identified planning opportunities. The ideas generated were further developed with input from members of the public and from partnering city agencies.

The resulting local strategies are intended to complement and reinforce the overarching goals of *Vision 2020*. They show how the plan's

broad citywide strategies can be applied at the local level. Together with the citywide strategies, these neighborhood strategies will advance the City's vision for the waterfront through 2020 and beyond.

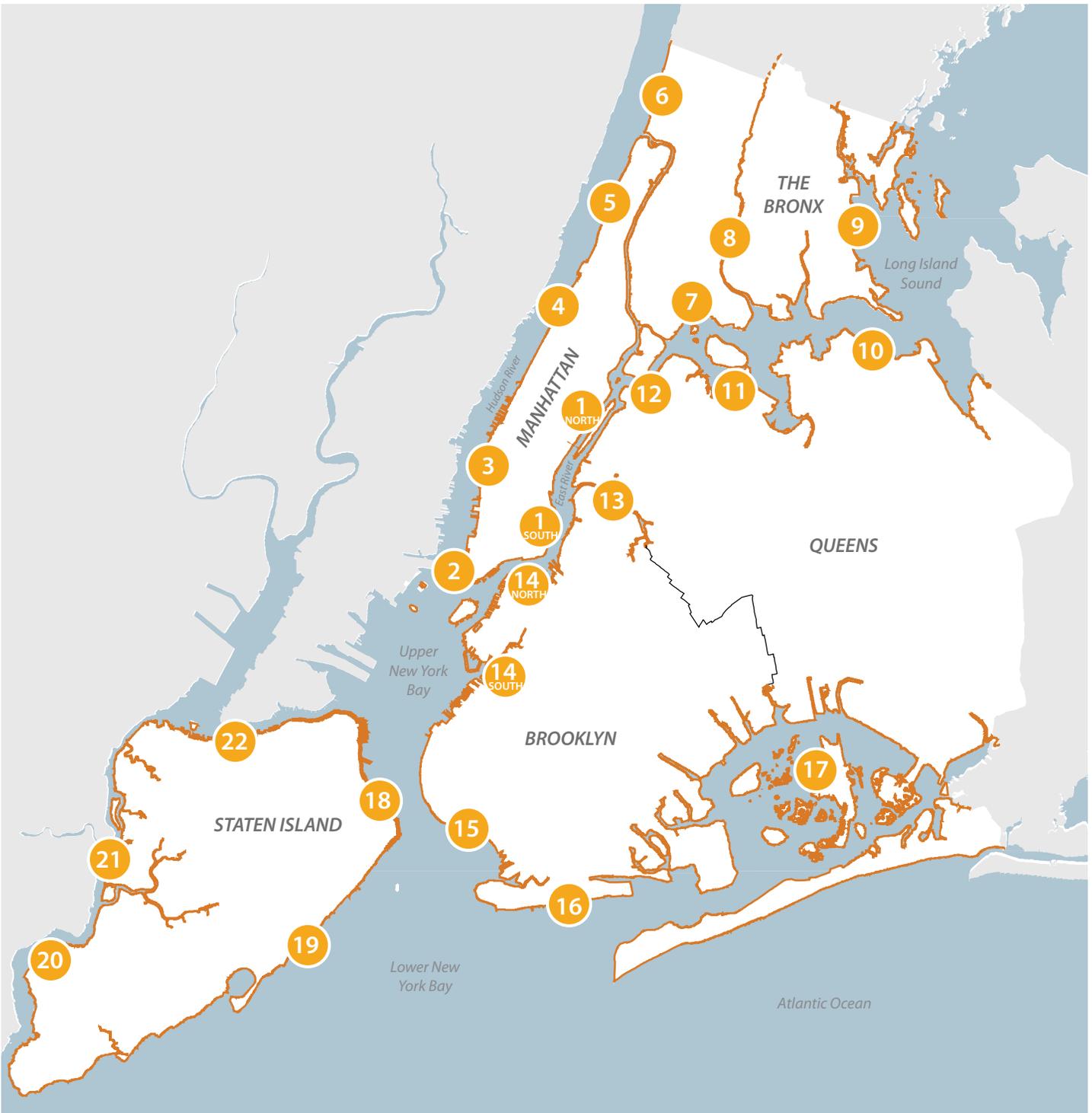


Figure 1: Key Map of Waterfront Reaches.

REACH 1 - EAST RIVER NORTH

Location: Manhattan's East River waterfront from E. 59th St. to E. 125th St., including Roosevelt Island, and Randall's and Ward's islands

Upland Neighborhoods: Upper East Side, East Harlem

Neighborhood Strategies

East River Greenway (E. 59th St. to E. 125th St.)

1

- Form a long-term management strategy to design, fund, construct and maintain the entire East River Greenway.
- Improve quality of existing esplanade (widen where possible, provide noise barriers, seating, lighting, dedicated paths, drainage, ADA access) and improve maintenance and current conditions of esplanade.
- Explore alternative edge conditions and opportunities for in-water recreation, such as a boat launches, based on the criteria described in the Citywide Strategy.
- Repair bulkhead prior to esplanade improvements.

East River Greenway- E. 111th St.

1.a

- Work with DDC to ensure that their planned reconstruction of the pedestrian bridge at E. 111th St. maximizes the Greenway and provides a more direct connection to the waterfront.

East 107th St. Pier

1.b

- Examine the feasibility of providing vessel tie-up.
- Improve pedestrian connection to E. 106th St.

East River Greenway- E. 96th St.

1.c

- Improve pedestrian connection across FDR Dr. to 96th St. pier to facilitate access to water. Accommodate pedestrians carrying boats by widening pedestrian bridge.
- Examine potential improvements for existing boat launch, consistent with the criteria described in the Citywide Strategy.

East River Greenway- E. 73rd to E. 75th St.

1.d

- Explore areas of the waterfront that can be made publicly accessible while maintaining the steam plant's facility needed for plant operation.

Queensboro Bridge Area

2

- Facilitate pedestrian upland access to the waterfront from E. 59th St. to E. 60th St., as recommended by Community Board 8's 197-a plan. Direct people to the waterfront through streetscape improvements, signage, landscaping, artistic or design elements which indicate proximity to the waterfront.
- Advance proposed Andrew Haskell Green Park.

Randall's and Ward's Island

3

- Explore opportunity for boat launch at the cove based on criteria described in the Citywide Strategy.
- Improve access via Ward St. bridge, including better maintenance and increased hours of operation.
- Support planned Renewable Energy Park and education center.
- Complete waterfront pathways, including Bronx Shore pathway, comfort stations, seawall repairs.
- Support Randall's Island Sports Foundation's plan to create a soft edge in areas where the bulkhead has deteriorated.
- Explore improvements to support habitat restoration and, where feasible, the navigability of the Bronx Kill for kayaks and canoes.
- Complete improvements at Ward's Island Waste Water Treatment Plant to reduce nitrogen discharge into the East River.
- Support salt marsh and wetlands restoration.

Roosevelt Island

4

- Support continued evaluation of effectiveness of tidal energy and strengths of river currents.
- Explore opportunity for boat launch based on criteria described in the Citywide Strategy.
- Explore opportunities in the east channel of the East River to reduce wave action to promote recreational boating and limit shoreline erosion.
- Ensure redevelopment of Goldwater Hospital maximizes open space and reflects proximity of the waterfront.

Roosevelt Island, Southern End

4.a

- Support an improved Southpoint Park with a waterfront esplanade and secure funding to build FDR Memorial.

REACH 1 - EAST RIVER NORTH



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 1-EAST RIVER SOUTH

Location: Manhattan's East River waterfront from the Brooklyn Bridge to E. 59th St.

Upland Neighborhoods: Lower East Side, Midtown East

Neighborhood Strategies

Reachwide

- Test feasibility of commuter ferry service on the East River connecting Brooklyn/Queens with Manhattan.

East River Greenway

1

- Form a long-term management strategy to design, fund, construct and maintain the entire East River Greenway.
- Explore alternative edge conditions and opportunities for in-water recreation, such as boat launches, based on the criteria described in the Citywide Strategy.
- Provide concessions for boaters and other visitors.
- Study opportunities to improve upland connections, including providing ADA accessibility.

East River Greenway - E. 53rd to E. 59th St.

1.a

- Build esplanade on existing outboard piles between E.53rd St. and E. 59th St.

East River Greenway - United Nations

1.b

- Study options for UN Consolidation building in exchange for funding of park improvements and waterfront esplanade.

East River Greenway - E. 38th to E. 41st St.

1.c

- Ensure that the former Con Edison waterfront pier at East 38th St. is improved for safe public access and for use as a park.
- Study pedestrian access options from upland areas to the waterfront pier.

East River Greenway - E. 23rd to E. 35th St.

1.d

- Explore long-term opportunities for maximizing water-dependent and water-enhancing uses along the waterfront.
- Explore inclusion of non-commercial recreational boating at marina.
- Upgrade esplanade to continuous, consistent design with amenities.
- Study opportunities for additional temporary uses of the 34th St. Heliport.
- Construct E. 35th Street ferry landing that provides sheltered waiting area, ticketing, and pedestrian amenities.

East River Greenway - E. 25th St.

1.e

- Improve signage at Waterside Plaza from southern esplanade entrance at E. 25th St.

East River Greenway - E. 13th to E. 15th St.

1.f

- Explore opportunities to improve bicycle and pedestrian connections in the area where the path narrows adjacent to the steam plant, including better lighting, screening, and signage to advise users of the limited right-of-way.

Stuyvesant Cove

2

- Support Solar 2 and expansion of environmental educational center.
- Explore opportunities for a recreational pier based on the criteria described in the Citywide Strategy.

East River Park

3

- Pursue funding for additional improvements to the Fireboat House facility, which supports both park maintenance and operations and an environmental education program.

Pier 42

4.a

- Study for use as a park with water-dependent community uses with connection to East River Esplanade South.

Pier 36

4.b

- Support plans to create public waterfront area as part of Basketball City development.

Pier 35

4.c

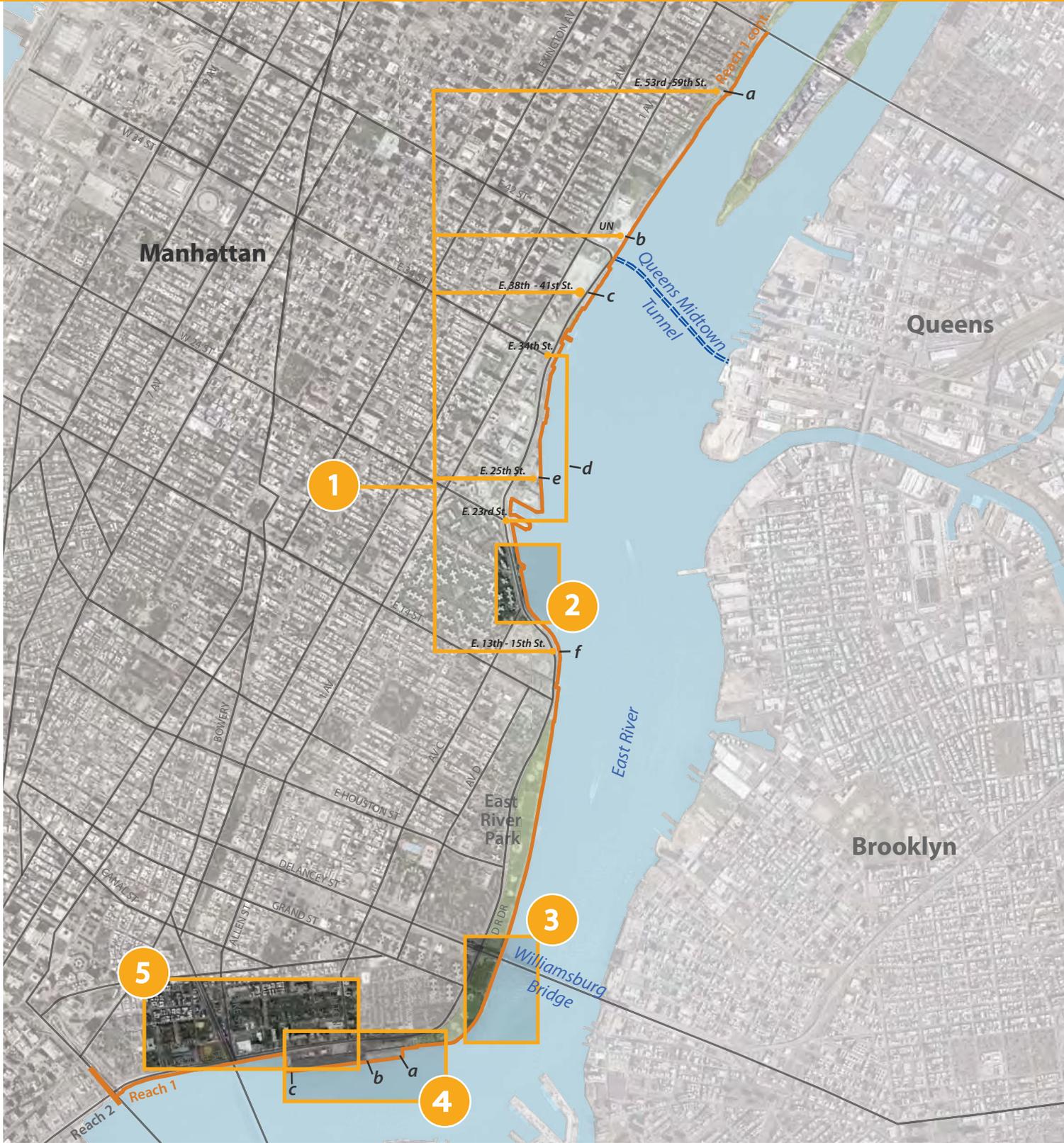
- Support plans to create public pier with an eco-park component.

Lower East Side

5

- Improve upland streetscape connections, along Montgomery St., Rutgers St., and Catherine St., as described in the East River Waterfront master plan.

REACH 1-EAST RIVER SOUTH



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 2-LOWER MANHATTAN

Location: Southern tip of Manhattan, from the Brooklyn Bridge on the East River to Chambers St. on the Hudson, including Governors, Ellis and Liberty Islands

Upland Neighborhoods: South St. Seaport, Financial District, Battery Park City

Neighborhood Strategies

Reachwide

- Test feasibility of commuter ferry service on the East River connecting Brooklyn/Queens with Manhattan.

Brooklyn Bridge Area 1

- Explore path alternatives and improve upland connections to the waterfront.
- Improve west side of South St. sidewalk through widening tree plantings, seating, signage, art, and paving to provide safer access to waterfront.

East River Esplanade South 2

- Complete construction of esplanade between the Battery Maritime Building and Pier 35, including Pier 15 to feature water dependent uses, educational uses and cafe.

New Market Building 2.a

- Support redevelopment for interim or permanent use.
- Provide public waterfront access and amenities.

Pier 17 and TIN Building 2.b

- Improve waterfront access and connectivity.
- Encourage water-dependent uses as part of a mixed-use development.

Pier 16 2.c

- Improve with seating, railing, and landscaping.
- Create infrastructure to allow for future possibility of various in-water recreation activities, provided there are necessary measures to ensure safety.
- Promote continued use for historic vessels.

Pier 13 2.d

- Advance construction of pier before permit expires.
- Explore opportunities for educational resources, passive recreation, in-water recreation, based on the criteria described in the Citywide Strategy or other water-dependent uses.

The Battery 3

- Create continuous waterfront access from East River esplanade to Hudson River esplanade.
- Study means to improve pedestrian connectivity between Peter Minuit Plaza and the East River Esplanade South—options include moving the Battery Tunnel entrance further north and creating a plaza above the existing entrance in front of the Battery Maritime Building.
- Complete Battery Bikeway as part of Manhattan Waterfront Greenway.

Battery Maritime Building 3.a

- Provide elevated views to waterfront.
- Develop hotel, restaurant and community use.
- Consider expanded uses for ferry terminal.

Coast Guard Station 3.b

- Work with Coast Guard to incorporate esplanade.

Esplanade at the Battery 3.c

- Work with National Park Service to explore options for relocating Liberty Island screening tents.

Pier A 3.d

- Complete renovation and restoration for a vibrant public use.

Governors Island 4

- Commence development of Phase I Governors Island Park and Public Space Master Plan, including restoration of historic open spaces and improvements to all gateway dock facilities.
- Support planned development of the Urban Assembly New York Harbor School.
- Encourage adaptive re-use of buildings.
- Explore possibility of boat tie-ups.
- Provide ball fields, active recreation space, and community gardening.

Statue of Liberty & Ellis Island 5

- Work with National Park Service to improve transportation access to destinations.

REACH 2-LOWER MANHATTAN



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 3-LOWER WEST SIDE MANHATTAN

Location: Hudson River from Chambers St. to W. 59th St.

Upland Neighborhoods: TriBeCa, SoHo, West Village, Chelsea, Clinton

Neighborhood Strategies

Reachwide

- Study improved pedestrian and bicycle access to park from upland neighborhoods.
- Promote existing water taxi service.
- Explore opportunities for boat launches based on the criteria described in the Citywide Strategy.
- Expand Hudson River Park by completing construction for upland esplanade between Laight and N. Moore Streets and investing in bulkhead reconstruction between 39th and 43rd streets.

Pier 26

1

- Advance plans to build the Estuarium, as designated in the Hudson River Park Act.

Pier 40

2

- Repair and stabilize existing structure.
- Given need for revenue to support maintenance of Hudson River Park, evaluate Pier 40 for commercial uses with waterfront access and in-water recreation, possibly including a mooring field.

Piers 32 and 46

3

- Promote substantially deteriorated pile fields as fish habitat.

Pier 52

4.a

- Provide perimeter waterfront access around new waste-transfer station.

Pier 54

4.b

- Pursue funding and development of park.

Pier 57

5

- Advance plans made by Hudson River Park Trust and its private partner for a multi-use pier including public market, art gallery, and rooftop park.
- Explore opportunities for in-water recreation based on the criteria described in the Citywide Strategy.

W. 30th St. Heliport

6

- Explore opportunities for site redevelopment after vacated.

W. 49th to W. 52nd St.

7

- Explore creation of elevated viewing deck overlooking cruise terminals.
- Improve pedestrian and bicycling paths along cruise terminals.

Piers 92 & 94

8

- Support DOT and Merchandise Mart plans to reconfigure drive lanes and pedestrian paths in front of Piers 92 and 94 to facilitate pedestrian access to Piers 92, 94 and 96 and Clinton Cove section of Hudson River Park.

Pier 97

9

- Commence reconstruction of pier.
- Support relocation of Department of Sanitation parking and development with active recreation uses and ship berths.

REACH 3-LOWER WEST SIDE MANHATTAN



Reach Boundary



Recommendation Areas



Major Parklands



REACH 4-UPPER WEST SIDE MANHATTAN

Location: Hudson River from W. 59th St. to W. 125th St.

Upland Neighborhoods: Upper West Side, Morningside Heights

Neighborhood Strategies

Reachwide

- Improve access through enhanced streetscape, more lighting, better signage, and more wayfinding to and within Riverside Park and Riverside Park South.
- Examine opportunities for enhanced overlooks of the waterfront.

Riverside Park South

1

- Explore tunneling of the Miller Highway.

69th St. Transfer Bridge

2

- Support adaptive reuse as a public pier.

79th St. Boat Basin

3

- Dredge and improve the 79th St. boat basin.
- Restore the landmarked 79th St. rotunda and fountain court.

Riverside Park

4

- Create dedicated pedestrian and bike pathways.
- Evaluate for commercial uses on the waterfront, such as restaurants.
- Provide additional access points from Riverside Park to the waterfront through bridges over the highway or other means.

W.125th St.

5

- Explore provision of boat storage near existing launch site, consistent with criteria described in the Citywide Strategy.
- Activate West Harlem Piers Park's excursion boat pier and ferry barge.

REACH 4-UPPER WEST SIDE MANHATTAN



0 1/4 1/2 1 Miles



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 5-NORTHERN MANHATTAN

Location: Harlem and Hudson River north of 125th St.

Upland Neighborhoods: Manhattanville, Hamilton Heights, Washington Heights, Inwood, Harlem, East Harlem

Neighborhood Strategies

Hudson Riverfront

- Improve access to the waterfront through enhanced streetscape, more lighting, better signage, and more wayfinding.
- Examine opportunities for enhanced overlooks of the waterfront.

W. 125th St. to W. 145th St. 1

- Find appropriate use for the dormant marine transfer station at W. 135th St., including public access.
- Explore mapping as parkland West Harlem Piers Park and the North River Sewage Treatment Plant access road areas.

165th St. to Dyckman 2

- Provide improved pedestrian and bicycle access to the waterfront, including improvements to Manhattan Waterfront Greenway.
- Examine use of sand beach as a kayak launch at 170th St. and use of 178th St. as a site for storage container based on criteria described in the Citywide Strategy.
- Work with DDC to ensure that the planned reconstruction of the pedestrian bridge at W. 181st St. maximizes connections to the waterfront.
- Construct pedestrian bridge and multi-use path at Fort Washington Park.

Dyckman St. Marina 2.a

- Complete improvements to marina, including repair and replacement of floating docks (consistent with the criteria described in the Citywide Strategy), construction of restaurant, snack bar and restrooms, and stormwater treatment wetland.

Inwood Hill Park 3

- Restore the inlet as natural wetland and habitat.

Harlem River

- Explore opportunities to reduce wave action to promote recreational boating and limit shoreline erosion.

Baker Field 4

- Support Boathouse Marsh project which will provide additional public waterfront access, passive recreation spaces, new fresh and salt water wetlands, and expanded water-related educational opportunities, consistent with the criteria described in the Citywide Strategy.

W. 215th St. & W. 216th St. 5

- Provide street-end waterfront parks and explore possible remediation of natural environment.

Sherman Creek 6

- Study for redevelopment possibilities, including publicly oriented water-dependent uses.
- Enhance natural habitat and wetlands.
- Complete the Sherman Creek Waterfront Esplanade Master Plan to reclaim the Harlem River waterfront from Sherman Creek Inlet to W. 208th St.
- Provide waterfront access via 9th Ave. at wedge-shaped property at 208th St. and ensure tidal mudflat preservation.
- Examine 207th St. as a site for kayak storage container based on criteria described in the in the Citywide Strategy.

Harlem River Speedway 7

- Improve maintenance, signage and wayfinding throughout the Harlem River Speedway (especially at southern entrance).

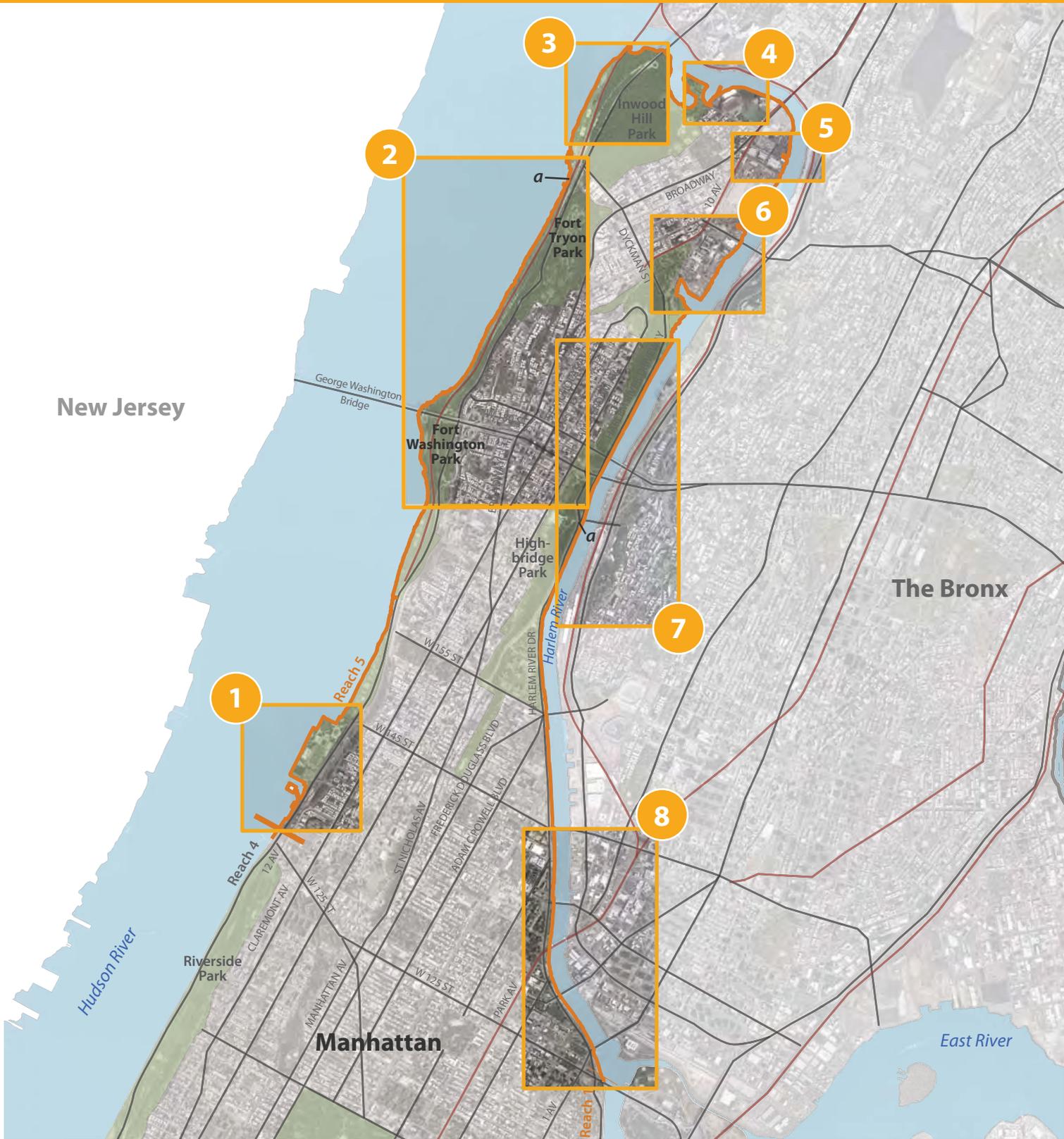
High Bridge, E. 173rd St. 7.a

- Restore the High Bridge over the Harlem River, and restore access paths within Highbridge Park to improve connectivity between Northern Manhattan and the Bronx.

E. 125th St. to E. 145th St. 8

- Complete greenway connection to Harlem River Park at E. 135th St.
- Improve upland connections between the existing park and the future waterfront esplanade.
- Consider future uses for DOT staging area.
- Examine opportunities for water access, kayak launch, storage, and a community paddling program based on criteria described in the in the Citywide Strategy.

REACH 5-NORTHERN MANHATTAN



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 6-NORTHWEST BRONX

Location: Harlem and Hudson Rivers from Yonkers city line to Macombs Dam Bridge

Upland Neighborhoods: Riverdale, Spuyten Duyvil, Kingsbridge, Marble Hill, University Heights, Morris Heights, Highbridge

Neighborhood Strategies

Reachwide

- Implement creation of Putnam Greenway along existing rail right-of-way and identify opportunities to create continuous connections from Westchester County to Port Morris.

Hudson River Waterfront

1

- Support the study and the implementation of Hudson River Greenway Link providing bicycle and pedestrian connectivity from Manhattan to Yonkers with access to the waterfront.
- Work with Metro North to provide safe access to Hudson River shoreline.
- Mitigate stormwater eroding Riverdale Park slopes.
- Develop long-term sediment removal maintenance plan with DEP Bluebelt program.

Spuyten Duyvil

2

- Restore shoreline at unmanaged open space at mouth of Harlem River adjacent to Spuyten Duyvil train station.

Marble Hill

3

- Coordinate with DEP in long term plan to daylight Tibbets Brook.

North of University Heights Bridge

4.a

- Create a Waterfront Access Plan (WAP) to promote the redevelopment of this area, including the creation of Regatta Park.
- Explore opportunities for provision of recreational boating access based on the criteria described in the Citywide Strategy.

South of University Heights Bridge

4.b

- Study redevelopment potential for residential or parkland to connect to Roberto Clemente State Park to the south and the Regatta Park to the north.
- Explore opportunities for boat launch based on the criteria described in the Citywide Strategy.

Depot Place / Harlem River Promenade

5

- Improve access to waterfront by creating upland connections with appropriate crossings.
- Explore public recreational opportunities on City-owned site and on privately owned site.
- Restore the shoreline from the Highbridge to Roberto Clemente State Park.

Highbridge

5.a

- Develop access point to Manhattan through rehab of the Highbridge.

Ped. Bridge over Major Deegan at 161st St.

6

- Improve connectivity to Mill Pond Park over the Major Deegan pedestrian bridge by removing barriers impeding pedestrian crossing.

Harlem River

- Explore opportunities to reduce wave action to promote recreational boating and limit shoreline erosion.
- Identify locations to develop pedestrian upland connections to the waterfront.
- Identify an appropriate location for an environmental education center along the Harlem River.

REACH 6-NORTHWEST BRONX



— Reach Boundary



Recommendation Areas



Major Parklands



REACH 7-SOUTH BRONX

Location: Harlem River, Bronx Kill, East River and Bronx River from the Bronx Terminal Market to the Bruckner Boulevard Bridge

Upland Neighborhoods: Mott Haven, Port Morris, Hunts Point

Neighborhood Strategies

Harlem River

- Explore opportunities to reduce wave action to promote recreational boating and limit shoreline erosion.

Lower Concourse / Harlem River WAP

1

- Support the development of Lower Concourse Mixed Use Area and Special Waterfront District with required waterfront access, open space, and brownfield remediation.

Pier V (Former Velodrome Site)

1.a

- Develop land for public use and open space.

144th St.

1.b

- Fund acquisition and construction of proposed 2-acre park dependent on the redevelopment of the site north of the proposed park.

138th St. Bridge (Padded Wagon Site)

1.c

- Plan for residential and commercial development of site (lease comes up in 2014).

Expansion of Harlem River WAP

2

- Support waterfront redevelopment to increase public waterfront access and maximize economic development potential.
- Explore opportunity for public waterfront access and non-motorized boat launch at Park Ave. street end, based on the criteria described in the Citywide Strategy.

Bronx Kill

3

- Explore improvements to support habitat restoration and, where feasible, the navigability of the Bronx Kill for kayaks and canoes.

North and South Brother Islands

4

- Pursue additional funding for a comprehensive plan to integrate cultural, historical, and natural resource management on both islands.

Hunts Point / Port Morris

5

- Complete improvements to the South Bronx Greenway.
- Identify opportunities to attract tall ships and other educational programming to the waterfront at Barretto Point Park and other recreational areas.
- Promote redevelopment of vacant land within the Significant Maritime and Industrial Area (SMIA) for industrial uses with preference for water-dependent maritime industries.
- Where feasible, preserve waterfront access to industrial properties and intermodal connections to facilitate waterborne movement of goods.
- Evaluate feasibility of developing a Hunts Point boat launch/docking facility that services recreational or freight vessels.
- Complete improvements at Hunts Point Waste Water Treatment Plant to reduce nitrogen discharge into the East River.

132nd St. / 134th St.

5.a

- Study street ends for recreational or industrial purposes, including potential preservation of gantry cranes.

Hunts Point South

5.b

- Study corrections site for potential redevelopment opportunities.

Farragut St. End & Marine Transfer Station

5.c

- Support improvements at Farragut Street end.
- Balance needs of city's waste management with those of the community.
- Explore redevelopment of the Marine Transfer Station as a maritime use.

Hunts Point Market

5.d

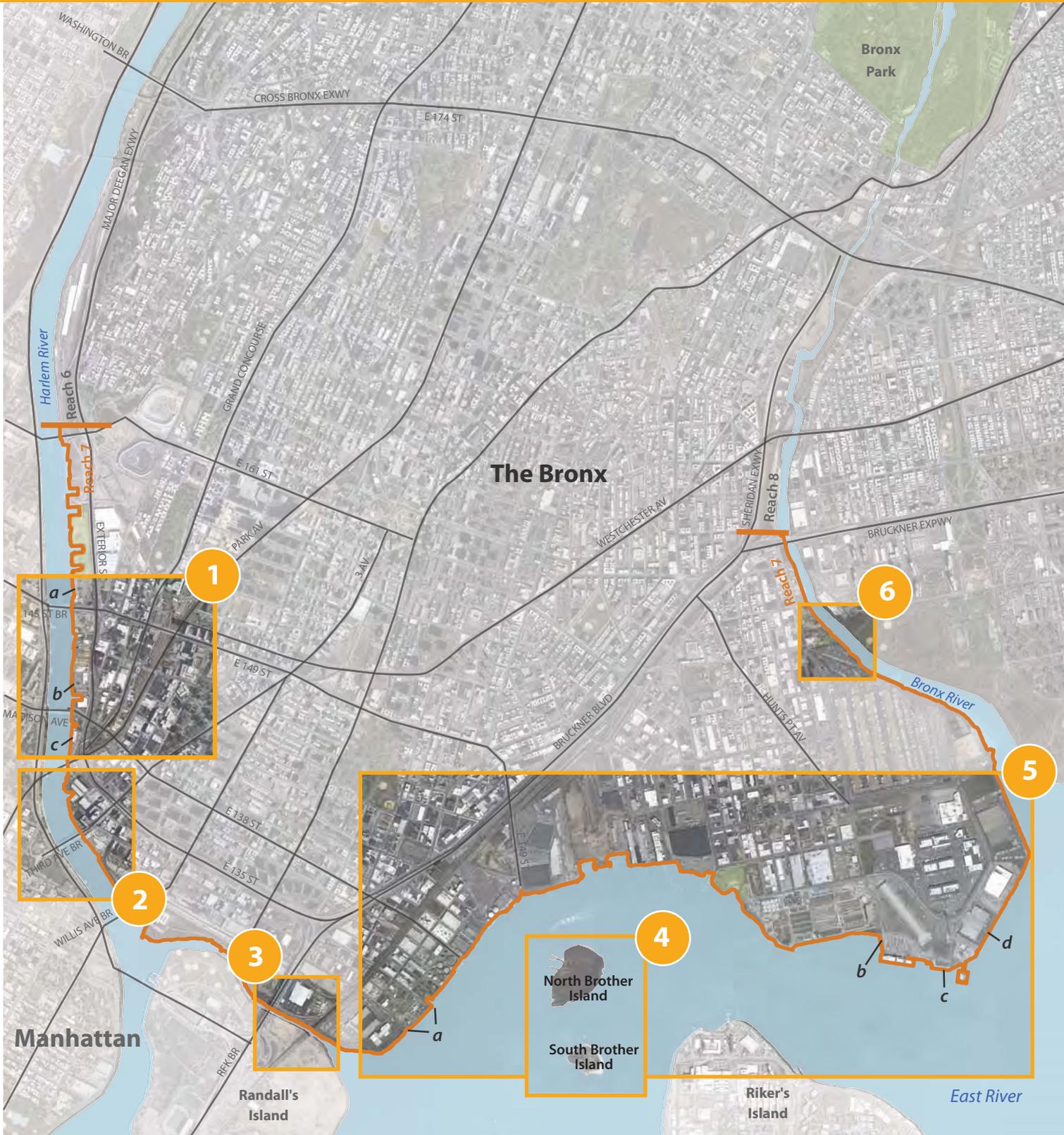
- Explore waterborne transportation modes for the movement of goods to and from the Food Distribution Center, as well as supporting infrastructure, such as a pier for fishing vessels and freight ferries.

Hunts Point-Riverside Park

6

- Complete expansion of launch platform for canoes and small boats, consistent with the criteria described in the Citywide Strategy.

REACH 7-SOUTH BRONX



— Reach Boundary



Recommendation Areas

Major Parklands

REACH 8-BRONX RIVER

Location: Bronx River from Westchester County border to Bruckner Boulevard

Upland Neighborhoods: Woodlawn, Wakefield, Bronxdale, Williamsbridge, West Farms, Bronx River, Crotona Park East, Hunts Point, Soundview

Neighborhood Strategies

Reachwide

- Improve water quality with a focus on addressing CSOs through stormwater source controls in the sewersheds and more widely distributed/dispersed bioretention and detention methods.
- Explore opportunities to reduce wave action to promote recreational boating and limit shore erosion.
- Improve water quality and create opportunities for fishing and other recreational uses on the Bronx River, based on criteria described in the Citywide Strategy.
- Restore the shoreline in Starlight Park, West Farm Rapids, Bronx River Forest, and Shoelace Park.
- Complete improvements to the Bronx River Greenway.

Bruckner/Sheridan Interchange

1

- Support the continued success of the Hunts Point Market by improving vehicular access.
- Identify improvements to waterfront access and open space connections along the Bronx River in conjunction with the State's Bruckner-Sheridan Interchange project.

Trash Boom

1.a

- Explore options for removing trash boom and improve non-motorized boat access based on the criteria described in the Citywide Strategy.

172nd St.

1.b

- Create Bronx River Greenway connection for bikes and pedestrians next to the Amtrak site.

Bronx River Dams

2

- Improve canoe passage and establish fish ladders at the three dams located lowest on the river.

Bronx River Interagency Land Coordination

2.a

- Address issues of water quality, particularly CSOs.
- Provide access points and connections for Bronx River Greenway (examples include Westchester Ave. and Bruckner Blvd.)

Westchester County Coordination

3

- Provide pedestrian connection to greenway in coordination with Westchester County and relevant municipalities.
- Coordinate with upstream counties and municipalities to improve Bronx River water quality.

REACH 8-BRONX RIVER



— Reach Boundary

□ Recommendation Areas

■ Major Parklands



REACH 9- EAST BRONX

Location: From the east side of the Bruckner Expressway Bridge on the Bronx River to the Westchester County line at Pelham Manor

Upland Neighborhoods: Soundview, Harding Park, Clason Point, Castle Point, Throgs Neck, Silver Beach, Locust Point, Edgewater Park, Eastchester Bay, Country Club, Spencer Estates, Co-op City, City Island

Neighborhood Strategies

Reachwide

- Explore opportunities for new capacity for dry bulk/liquid operations in conjunction with ongoing wetland restoration work (may require dredging). Possible locations include Westchester Creek, Eastchester Bay, or Hutchinson River.

Soundview Park

1

- Reconstruct playground, athletic courts and a new comfort station.
- Complete restoration of tidal wetlands including excavation work, sand replacement, and planting salt marsh grasses.

Loral site

1.a

- Support brownfield clean-up and redevelopment of privately owned site.
- Seek to provide public waterfront access.

Clason Point/ Pugsley Creek

2

- Explore opportunities for boat launch and fishing based on the criteria described in the Citywide Strategy.
- Complete restoration of tidal wetlands including excavation work, sand replacement, and planting salt marsh grasses.

Castle Ave. Park

2.a

- Implement plans for improved waterfront public access.

Zerega Industrial Area

3

- Study development of two-acre City-owned site north of Watson Ave. with water-dependent industrial uses and create street-end waterfront access at Watson Ave.

Ferry Point Park

4

- Protect the shore of the park from erosion.
- Complete new 9.5-acre community park.

Throgs Neck

5

- Pursue development as a “hub” for maritime support services in conjunction with educational and workforce development opportunities for citywide residents at SUNY Maritime College.
- Create opportunities for public view points at waterfront street ends.

Pelham Bay Park

6

- Support citizen clean-up of the Hutchinson River from dumping and debris.
- Replenish Orchard Beach with clean sand, and expand the South Jetty to reduce further beach erosion.

Eastchester Brownfield Opportunity Area

6.a

- Explore strategies for revitalizing shipping and barging industry as related to existing industrial and commercial businesses in the Eastchester area.
- Work with BOA to improve water quality of Hutchinson River and Eastchester Bay.
- Identify underutilized brownfield properties and identify strategies to remediate and revitalize them.
- Explore opportunities for public access and recreational use of the waterfront and waterway.
- Explore opportunities to collaborate with the City of Mount Vernon with regard to usage of the waterways and waterfront.

Eastchester

6.b

- Explore access to waterfront at MTA bus yard.

Co-op City

6.c

- Provide public access through point access at Bellamy Loop and at the City-owned site to the North with eventual connection from Pelham Bay Park to Co-Op City, possibly including a bike path.

City Island Gateway

7

- Study reuse of City-owned land for improved public access and activation of waterfront.

Belden Point, City Island

8

- Resolve maintenance issues to restore the shoreline and establish waterfront access.

REACH 9 - EAST BRONX



— Reach Boundary

☐ Recommendation Areas

■ Major Parklands



REACH 10 - QUEENS NORTH SHORE

Location: Flushing Bay to Nassau County

Upland Neighborhoods: College Point, Malba, Whitestone, Beechhurst, Bay Terrace, Bayside, Douglas Manor, Douglaston

Neighborhood Strategies

Reachwide

- Explore possibility of providing signage and improving connections between upland neighborhoods and existing publicly accessible waterfront sites.

MacNeil Park

1

- Explore opportunities for human-powered boat launch and boathouse based on the criteria described in the Citywide Strategy.

Powell's Cove

2

- Explore street end public access to Powell's Cove from Powell's Cove Blvd.
- Complete improvements at Tallman Island Waste Water Treatment Plant to reduce nitrogen discharge into the East River.

Whitestone Pier

3.a

- Explore opportunities to lease and operate the dilapidated pier for recreation based on the criteria described in the Citywide Strategy.

Rock Crushing Site

3.b

- Support rezoning and lower density residential redevelopment that incorporates public waterfront access.

Alley Creek

4

- Complete new CSO storage facilities.

REACH 10- QUEENS NORTH SHORE



— Reach Boundary

□ Recommendation Areas

■ Major Parklands



REACH 11 - QUEENS UPPER EAST RIVER

Location: North Shore of Queens from 20th Ave. in Astoria to the Flushing River, including Riker's Island

Upland Neighborhoods: Astoria, East Elmhurst, Corona, Flushing

Neighborhood Strategies

Reachwide

- Continue to implement the Queens East River and North Shore Greenway Plan and explore additional locations to provide signage and improve connections between upland neighborhoods and existing publicly accessible waterfront sites with consideration for public safety and security.

Luyster Creek

1

- Explore street end public access to the creek from 19th Ave.

Bowery Bay

2

- Complete improvements at Bowery Bay Waste Water Treatment Plant to reduce nitrogen discharge into the East River.

Flushing Bay

3

- Study hydrology and means of improving water circulation and siltation.
- Explore options for expanding mooring fields for recreational boats.
- Improve maintenance of Flushing Bay Esplanade.
- Improve pedestrian and bicycle connections to upland areas to the west and south of the Flushing Bay Esplanade including Flushing Meadows-Corona Park.

Flushing

4

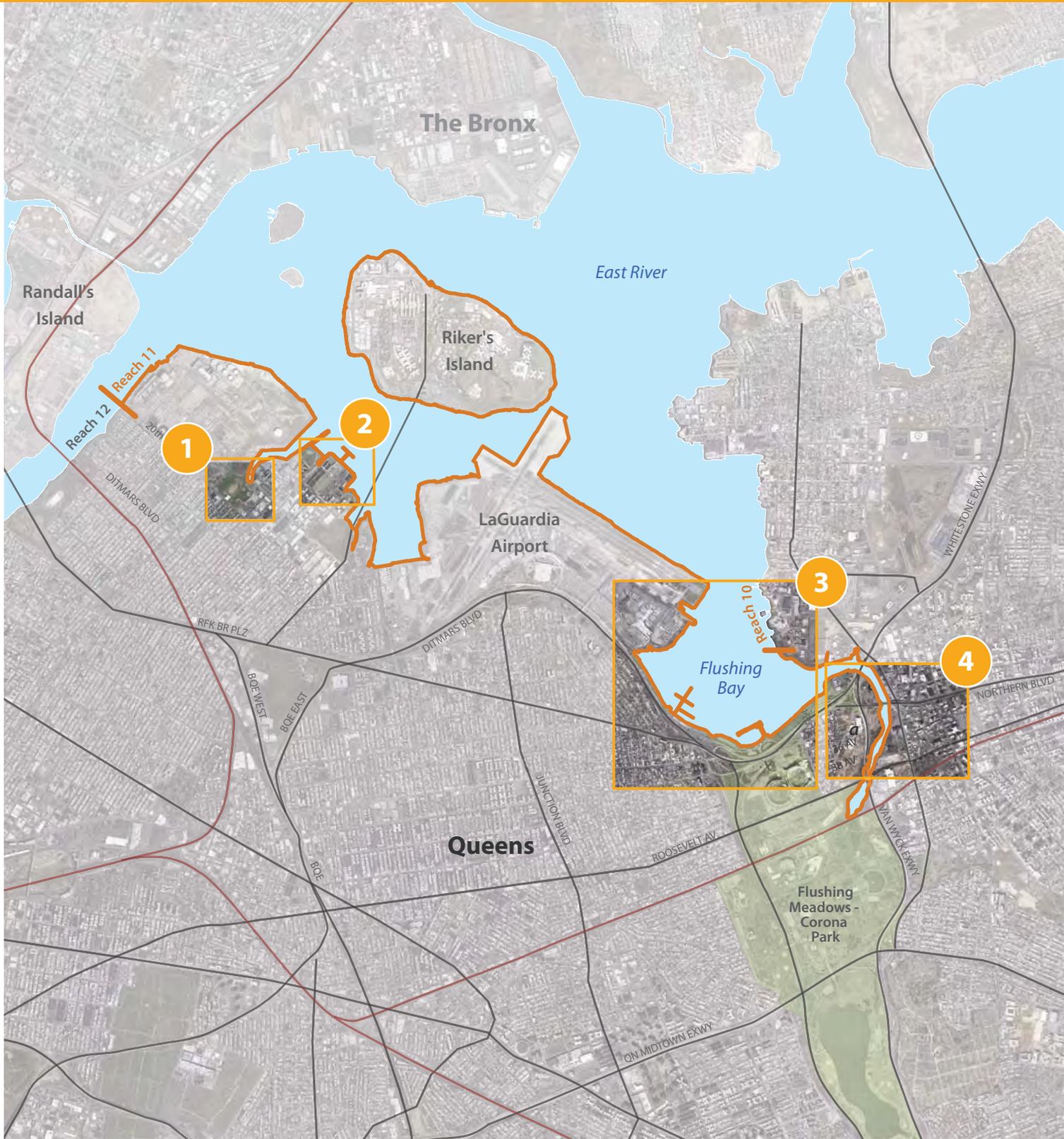
- Support the Flushing River Brownfield Opportunity Area planning process that will reexamine the Downtown Flushing WAP to foster residential and mixed use redevelopment and new publicly accessible waterfront open space.
- Improve pedestrian and bicycle connections between Flushing and Willets Point on Northern Blvd. and Roosevelt Ave. Bridges and explore options to further enhance access across Flushing River.
- Support and maintain active industrial use of Flushing River north of Northern Blvd.

Willets Point

4.a

- Break ground on sanitary sewers and outfall controls.

REACH 11-QUEENS UPPER EAST RIVER



— Reach Boundary

□ Recommendation Areas

■ Major Parklands



REACH12-WEST QUEENS

Location: East River, from Newtown Creek to 20th Ave. in Astoria

Upland Neighborhoods: Hunter's Point, Long Island City, Ravenswood, Astoria

Neighborhood Strategies

Reachwide

- Continue to implement Queens East River and North Shore Greenway.
- Enhance wetland habitat at Pot Cove, Hallets Cove, in the vicinity of Socrates Sculpture Park, in the vicinity of the Queensboro Bridge, Anable Cove, and Hunter's Point South.
- Test feasibility of commuter ferry service on the East River connecting Brooklyn/Queens with Manhattan.

Hallets Point / Pot Cove

1

- Support rezoning and medium-density residential and mixed-use redevelopment with continuous waterfront access around peninsula.
- Improve pedestrian and vehicular connections through the peninsula by reconnecting Astoria Blvd., 8th St., and 26th Ave. street segments.
- Support repair and improve the maintenance of Hallets Cove Esplanade.
- Explore opportunities for additional access to in-water recreation in Pot and Hallet's Coves.

Broadway Waterfront Access

2

- Create pedestrian connection between Costco site walkway and Socrates Sculpture Park and improve nearby connection at Rainey Park as noted by the Queens East River and North Shore Greenway Plan.

Queens Plaza Bike and Pedestrian Improvement Project

3

- Support implementation of public waterfront access at DOT-owned parcel under Queensboro Bridge as part of Queens East River and North Shore Greenway.

Anable Basin

4

- Explore opportunities for boat launch based on the criteria described in the Citywide Strategy.
- Explore options for redevelopment that will complement the distinct contexts that frame the site, including the East River waterfront, the 100-foot wide basin and adjacent portions of the Hunter's Point neighborhood.

Anable Cove

4.a

- Explore options for public access as part of the Queens East River and North Shore Greenway with a natural edge and habitat area.

44th Drive Pier

4.b

- Complete design and reconstruction of the public access pier.

Hunter's Point South

5

- Continue to support residential redevelopment and enhance shoreline wetlands habitat as part of plans for public access.
- Complete construction of a new 5-acre waterfront park.

East River

- Explore opportunities to reduce wave action to promote recreational boating and limit shoreline erosion in the east channel of the East River.

REACH 12-WEST QUEENS



— Reach Boundary

○ Recommendation Areas

■ Major Parklands

REACH 13-NEWTOWN CREEK

Location: Newtown Creek, between Brooklyn and Queens

Upland Neighborhoods: Greenpoint and East Williamsburg in Brooklyn, Hunter's Point, Blissville, and Maspeth in Queens

Neighborhood Strategies

Reachwide

- Support the remediation and habitat enhancement of the creek; Participate in ongoing reviews of remedial investigation results and feasibility study for EPA's clean up.
- Design and construct aeration system in Lower English Kills to meet DEC water quality criteria
- Design and begin construction of separate sanitary and storm sewers within a 60-acre area of the drainage area.
- Support Brownfield Opportunity Area study to work with property owners of vacant or underused sites to clean-up and redevelop the property, in addition to exploring opportunities for new infrastructure, increasing waterfront access and open space, and enhancing the interconnections between those who live and work near the creek.
- Promote waterway for goods transport with a focus on dry bulk and liquids through dredging and bulkhead repair.
- Manage potential conflicts between recreational boaters and industrial use of the waterway.
- Encourage marine waste transportation to replace truck traffic.
- Overcome regulatory difficulties to future redevelopment and ensure safe in-water recreation activities due to Superfund designation.

2nd St. Boat Launch

1

- Explore opportunities for human-powered boat launch and boathouse based on the criteria described in the Citywide Strategy.

54th Ave. Site

2

- Examine for residential/commercial development and waterfront public access.

Manhattan Avenue

3

- Explore opportunity to improve existing public waterfront access area and boat launch, consistent with Superfund considerations and criteria described in the Citywide Strategy to ensure safety and public health.

Whale Creek

4

- Support ongoing efforts to improve bulkhead to facilitate barge access for the disposal of sludge from Newtown Creek Wastewater Treatment Plant.
- Expand educational facilities and public waterfront access at Newtown Creek Nature Walk.
- Complete majority of upgrade to Newtown Creek Waste Water Treatment Plant to attain Clean Water Act Secondary Treatment Standards and expand its wet weather capacity.

Greenpoint Avenue

5

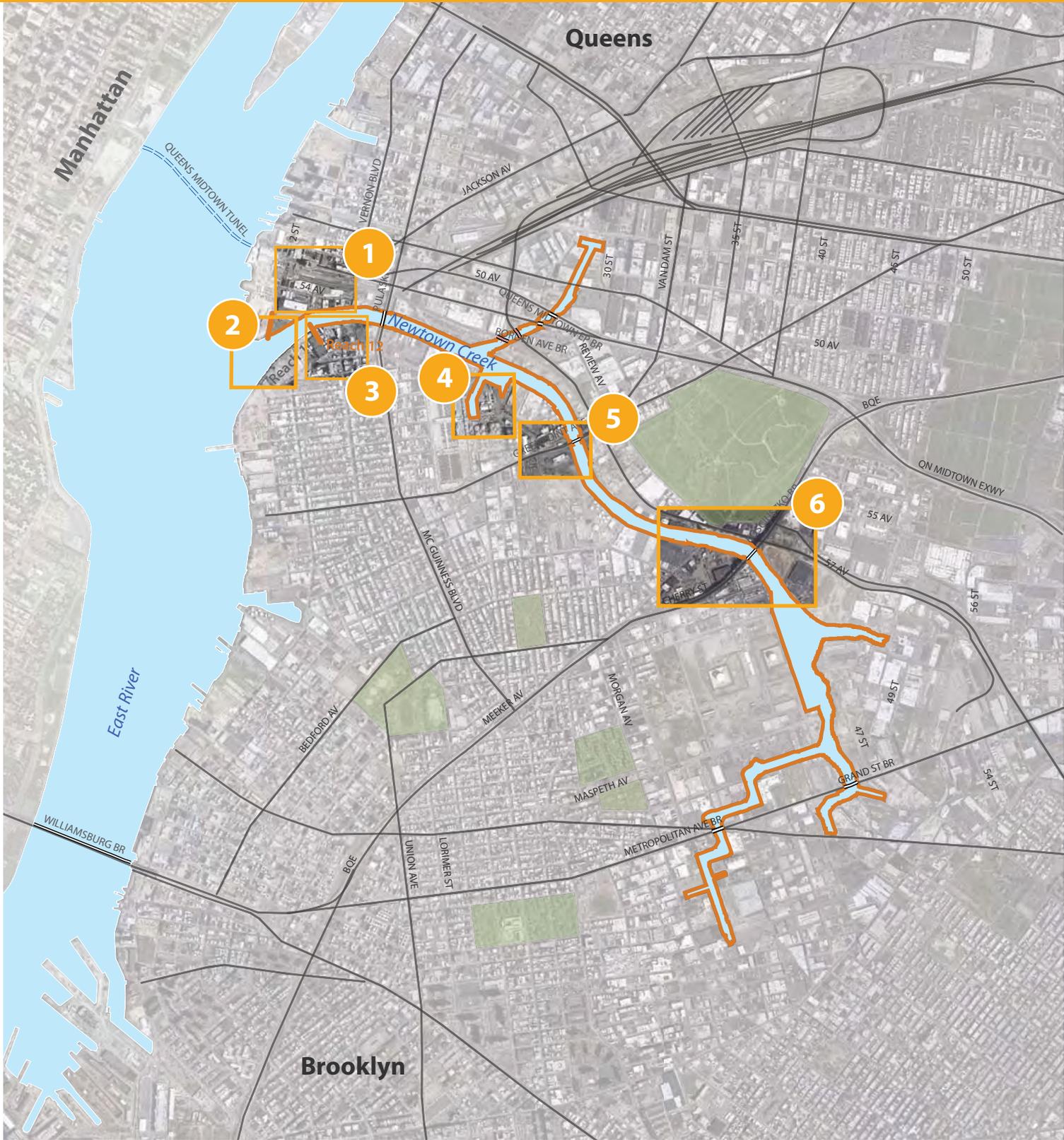
- Provide public waterfront access in a configuration compatible with adjacent industrial uses and Greenpoint Avenue bridge.

Kosciusko Bridge

6

- Support repair/replacement of bridge infrastructure including public waterfront access opportunities in the vicinity of the bridge on both the Brooklyn and Queens sides of the creek.

REACH 13-NEWTOWN CREEK



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 14 N.-BROOKLYN UPPER BAY NORTH

Location: East River and Upper Bay from Newtown Creek to Atlantic Ave.

Upland Neighborhoods: Greenpoint, Williamsburg, Navy Yard, Vinegar Hill, DUMBO, Fulton Ferry, Brooklyn Heights

Neighborhood Strategies

Reachwide

- Facilitate open space improvements at street ends in coordination with approved plans and zoning regulations for adjacent sites.
- Release Brooklyn Waterfront Greenway Master Plan, guiding the creation of a 14-mile, multi-use, waterfront path between Newtown Creek and the Shore Parkway Greenway.
- Test feasibility of commuter ferry service on the East River connecting Brooklyn/Queens with Manhattan.

65 Commercial St.

1

- Explore options for funding and relocation of MTA facility and construction of a public park.

Dupont St. Site (Greenpoint Lumber)

2

- Support mixed use redevelopment of site to facilitate housing, expansion of Newtown Barge Park, and provision of public access.

India St. Pier

3.a

- Support design of piers for water taxi services and explore opportunities for on-water recreation based on the criteria described in the Citywide Strategy.
- Ensure that any upland site development integrates pier into waterfront public access, consistent with the Greenpoint-Williamsburg Master Plan.

Java St. Pier

3.b

- Explore opportunities for water-related educational programming and boat launch, based on the criteria described in the Citywide Strategy.

Transmitter Park

3.c

- Complete construction of 1.5-acre park including a playground, small pier, benches, and trees.
- Pursue funding for refurbishment of transmitter building as park amenity.

Bushwick Inlet Park

4

- Continue the phased acquisition, remediation and development of the new park.
- Provide access for variety of recreational boating uses along with related facilities such as boathouse or comfort station, consistent with criteria described in the Citywide Strategy.
- Explore opportunities for inclusion of a museum commemorating the USS Monitor.

Williamsburg Bridge Area

5

- Explore potential for open space under bridge dependent on finding relocation sites for current DOT and DCAS facilities.
- Commence redevelopment of the Domino Sugar factory, including affordable housing, commercial, community facility and waterfront open space.

Brooklyn Navy Yard

6

- Continue replacement of bulkhead and piers, and complete dredging to ensure long-term viability of maritime uses.
- Support continued economic development through industrial and commercial uses, including expansion of Steiner Studios, construction of Green Manufacturing Center, and redevelopment of DCAS Auction lot and Admirals Row site.
- Explore opportunities for controlled public access (including views of docks, planned point access, and paths) around and within Brooklyn Navy Yard where appropriate, building on existing regular public tours of the industrial park.
- Support preservation of historic structures.
- Complete redesign of Flushing Ave. between Williamsburg St. West and Navy St. as part of Brooklyn Waterfront Greenway.
- Open exhibition and visitors center.

ConEdison site at Division Ave.

7

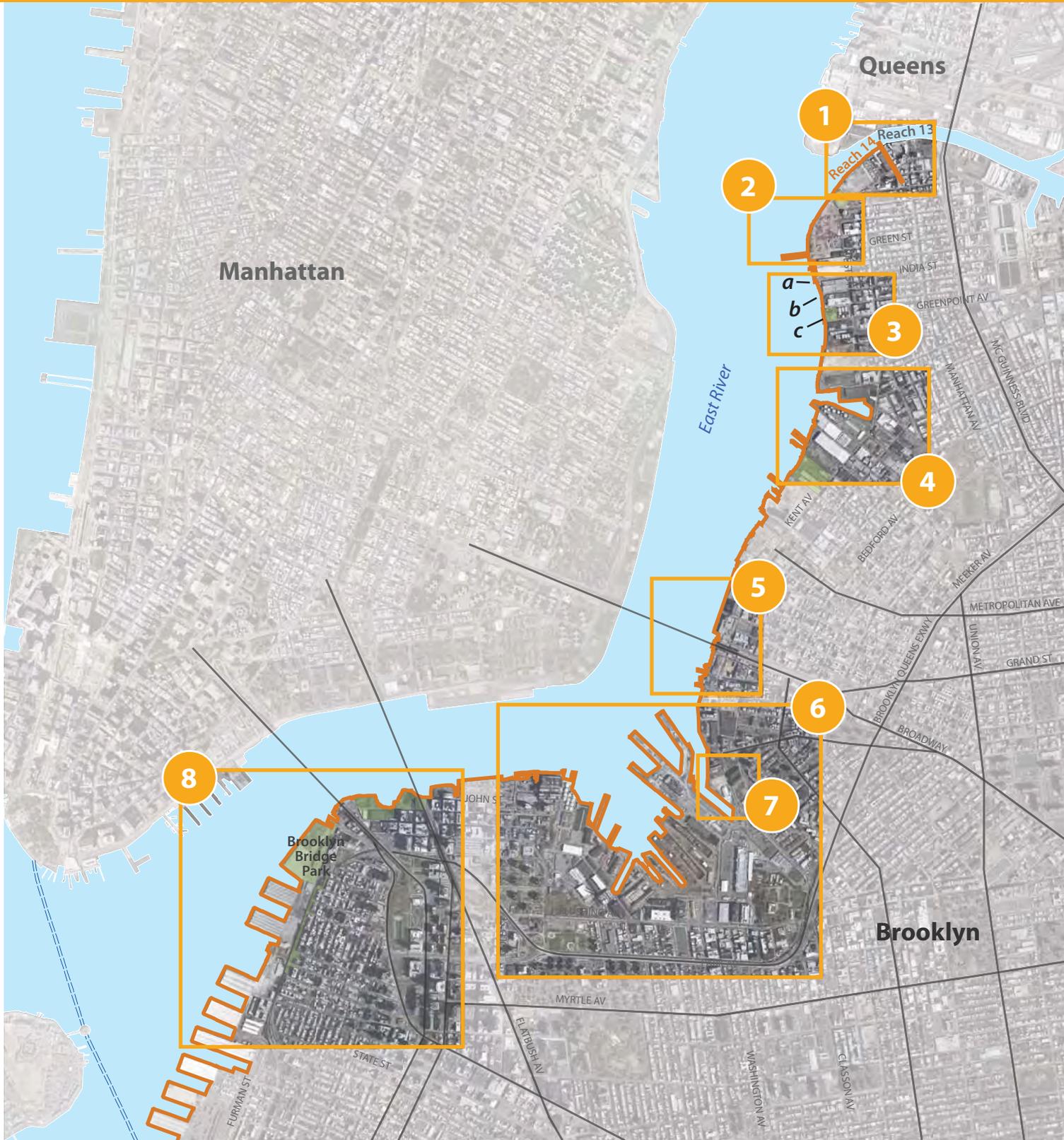
- Explore options for redevelopment for industrial and/or commercial uses with opportunities for public access if appropriate.

Brooklyn Bridge Park

8

- Support continued development as envisioned in the General Project Plan including active, passive, and in-water recreational uses, habitat enhancement, and residential and hotel uses.
- Complete improvements, including Squibb Park pedestrian bridge, upland recreation areas between Piers 1-6, and active recreation on Pier 5.
- Explore improved connections with neighboring street network to provide a safe and cohesive access to the park (i.e., Old Fulton Street, Atlantic Avenue).
- Explore improvements to increase access to the park via mass transit.
- Finalize agreement for cultural use at Tobacco Warehouse.
- Develop Greenway linking the Columbia St. Greenway to DUMBO.
- Issue RFP for adaptive reuse of Empire Stores.
- Re-open Empire Fulton Ferry Park with "Jane's Carousel" installed in a new all-weather pavillion and other park landscape and amenity improvements.

REACH 14 N.-BROOKLYN UPPER BAY NORTH



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 14 S.-BROOKLYN UPPER BAY SOUTH

Location: Buttermilk Channel and New York Upper Bay from Atlantic Ave. to Owls Head

Upland Neighborhoods: Cobble Hill, Red Hook, Gowanus, Sunset Park, Carroll Gardens, Columbia Street Waterfront, Park Slope, Boerum Hill

Neighborhood Strategies

Reachwide

- Facilitate open space improvements at streetends in coordination with approved plans and zoning regulations for adjacent sites.
- Release Brooklyn Waterfront Greenway Master Plan, guiding the creation of a 14-mile waterfront path between Newtown Creek and the Shore Parkway Greenway.

Piers 7-12

1

- Support continuation of industrial uses.
- Build a multi-use path to connect Atlantic Basin to the Brooklyn waterfront greenway.
- Explore preservation of historic properties and creation of waterfront interpretive center focused on history of working waterfront.
- Support use of green port technology, such as shore power, clean energy, and use of waterborne freight transport.
- Minimize traffic conflicts between trucks and pedestrians/bicyclists.
- Pursue development of a “hub” for maritime support services in Atlantic Basin.
- Support opportunities for active publicly accessible use of cruise terminal on days when ship is not in port.
- Study opportunities for active water-related public uses in Atlantic Basin, such as recreation and educational programming.
- Market the Container Terminal as a distribution hub for containerized cargo destined for East of Hudson businesses.
- Provide additional berthing locations to commercial vessels along the north side of Atlantic Basin.

Valentino Pier

2

- Explore creation of boathouse and other amenities.

280 Richards St.

3

- Support development compatible with adjacent water-dependent industry and explore public access opportunities.

Gowanus Canal

4

- Complete pump station, force main and flushing tunnel upgrade to improve water quality.
- Participate in ongoing reviews of remedial investigation results and feasibility study for EPA’s clean up.
- Design and begin construction of the first phase of high-level storm sewers within to reduce CSOs in the canal as well as street flooding and sewer backups in adjacent neighborhoods.
- Support rezoning in underutilized areas, continuous public waterfront access, and cleanup of contaminated sites consistent with city, state, and federal standards.
- Explore opportunities for safe indirect-contact in-water recreation, in consultation with State and Federal regulators.
- Support continued industrial activities and preservation of historic properties.
- Support plans to use street-end parks and pervious surfaces to capture stormwater and provide education to the public.

3rd Ave./3rd St. Site

5

- Continue ongoing remediation efforts.
- Explore options for reuse along with providing public and visual access to waterfront.

Public Place Site

6

- Support site remediation in cooperation with responsible parties and State and Federal regulators, and pursue planned housing development with public waterfront open space.

Hamilton Avenue Marine Transfer Station

7

- Support development of planned marine waste transfer station.

Sunset Park

8

- Support appropriate alignment of Brooklyn Waterfront Greenway, with point access to the waterfront where feasible and a safe, defined corridor to the new park that minimizes conflicts with uses in the Industrial Business Zone.
- Support recommendations of EDC’s Sunset Park Vision Plan for future infrastructure improvements to maximize efficient movement of goods, including Brooklyn Waterfront Rail Improvement project, reactivation of the South Brooklyn Marine Terminal, and activation of rail yard and marine transload facility at the 65th and 51st street rail yards.
- Relocate NYPD tow-pound at South Brooklyn Marine Terminal.
- Explore rehabilitation of Pier 6 for possible dry bulk/liquid operations, and maritime support operations.
- Explore locations for a maritime support services “hub,” where workboats can receive services such as provisioning, crew changes, wastewater removal, and fuel.
- Actively market marine transport as a option for local distribution and manufacturing businesses to reduce overall truck vehicle miles travelled (create a “Freight Village” around green transportation).
- Improve cross-harbor freight transportation, including reactivation of 65th Street float bridges and expanded use of rail freight via the “Southern Corridor” to the national rail freight network.
- Explore long-term opportunities for a deepwater container port in coordination with key stakeholders.
- Commence first phase of Brooklyn Army Terminal commercial life sciences and technology center, and support workforce development and training programs.
- Issue RFP for the lease and development of an approximately 130,000-square-foot property at the Bush Terminal Complex.

Bush Terminal Piers Park

9

- Advance plans for park including remediation, and explore opportunities for enhanced upland connections.
- Explore opportunities for boat launch based on the criteria described in the Citywide Strategy.
- Explore funding for planned environmental education center.
- Design park access to minimize pedestrian and industrial business conflicts.
- Explore options for preservation of deteriorating piers.

REACH 14 S. -BROOKLYN UPPER BAY SOUTH



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 15-SOUTHWEST BROOKLYN

Location: Owls Head to Sea Gate

Upland Neighborhoods: Bay Ridge, Bensonhurst, Bath Beach, Gravesend

Neighborhood Strategies

69th Street Ferry

1

- Support planned eco-dock for kayakers and boaters, consistent with the criteria described in the Citywide Strategy.

Verrazano Bridge to Bay Parkway

2

- Support extension and explore widening of bike path.
- Support repairs and reconstruction of existing path and sea wall.

Denyse Wharf

2.a

- Explore opportunities for activation of site for public use.

Gravesend Bay

3

- Support Southwest Brooklyn Marine Transfer Station.
- Support provision of public waterfront access at redevelopment sites.

Westshore Ave. Site

3.a

- Support remediation as condition of possible development.

Calvert Vaux Park

3.b

- Support improvements including the construction of new sports fields, lighting, and pedestrian paths.

REACH 15-SOUTHWEST BROOKLYN



Reach Boundary



Recommendation Areas



Major Parklands

REACH 16 - CONEY ISLAND & SHEEPSHEAD BAY

Location: Sea Gate to Plumb Beach

Upland Neighborhoods: Sea Gate, Coney Island, Brighton Beach, Manhattan Beach, Sheepshead Bay, Gerritsen Beach

Neighborhood Strategies

Coney Island Creek

1

- Explore opportunities to improve existing public waterfront areas including boat launch and fishing based on the criteria described in the Citywide Strategy.
- Support opportunities for public access/recreation and wetland restoration for future development where appropriate.
- Enhance, manage and continue to restore salt marshes and ecologically sensitive areas.
- Complete pump station and force main to improve water quality.

Special Coney Island Mixed Use District

2

- Study land use and zoning to facilitate appropriate development.

Coney Island

3

- Support development of entertainment district, commercial uses and new housing, along with necessary infrastructure upgrades, as envisioned in the Coney Island Comprehensive Rezoning Plan.
- Design and begin construction of the first phase of separate sanitary and storm sewer upgrades.
- Complete development of amusement park.
- Support ongoing preservation of historic properties.
- Explore opportunities for enhanced in-water recreation including training for water sports and lifeguards.
- Promote WCS New York Aquarium and other programs to educate the public about existing waterfront activities and resources.
- Support ongoing restoration of boardwalk.
- Complete new 2.2-acre Steeplechase Plaza, including performance space, public art, water features, and retail.
- Complete Coney Island Ferry Study to determine feasibility of ferry service.

Brighton Beach Muni Lot

4

- Support appropriate redevelopment that enhances public waterfront access.

Manhattan Beach

5

- Explore opportunities for enhancing visual access to waterfront at street ends with provision of public access where feasible.

Sheepshead Bay

6

- Evaluate for possible dredging in consultation with state and federal partners.

Brigham St. Park

7

- Explore opportunities for enhanced public access by integrating into adjacent Plumb Beach.

Gerritsen Beach

8

- Explore opportunities for enhancing visual access to waterfront at street ends with provision of public access where feasible.

White Island

9

- Complete restoration work including invasives removal, sand placement, shoreline stabilization, and planting of maritime grasses.

Plumb Beach

10

- Support the National Park Service General Management Plan process for Gateway National Recreation Area.
- In coordination with partners, explore options to mitigate against continuing erosion to promote recreational uses and enhance natural habitat.
- Re-build bike paths.

REACH 16 - CONEY ISLAND & SHEEPSHEAD BAY



Reach Boundary

Recommendation Areas

Major Parklands



REACH 17 - JAMAICA BAY / ROCKAWAY

Location: Southern shore of Brooklyn from Marine Park to Spring Creek, Queens from Spring Creek to the Nassau County border, the Rockaway Peninsula, and the islands and waters of the bay

Upland Neighborhoods: Flatlands, Mill Basin, Bergen Beach, Canarsie, Ozone Park, Howard Beach, Brookville, Rosedale, Broad Channel, Far Rockaway, Edgemere, Arverne, Rockaway Beach, Rockaway Park, Belle Harbor, Neponsit, Roxbury, Breezy Point

Neighborhood Strategies

Reachwide

- Improve coordination between city, state, and federal agencies to create a comprehensive public access strategy for the bay, including coordinating with the National Park Service on the General Management Plan process for all sites that are part of Gateway National Recreation Area (GNRA).
- Implement marshland restoration projects, including local sponsorship of the U. S. Army Corps restoration project at Yellow Bar Hassock.
- Complete installation of nitrogen control technologies at Waste Water Treatment Plants.

From Spring Creek to Fresh Creek

1

- Preserve and promote public awareness of salt marshes and support restoration plans for Spring Creek.
- For portion of Belt parkway between Fresh Creek and Knapp Street, support bridge and roadway improvements to enhance pedestrian and bike connectivity, and with improvements to natural landscape.
- Explore opportunities for boat launch and fishing based on the criteria described in the Citywide Strategy.
- Improve pedestrian access to existing waterfront parks.
- Continue monitoring of capped Pennsylvania and Fountain Ave. landfills and explore future opportunities for public access (GNRA).
- Improve maintenance and explore options for public access in Fresh Creek.

From Fresh Creek to Paerdegat Basin

2

- Conduct a ribbed mussel pilot, evaluating filtration of pollutants.
- Explore options for rehabilitation and further active, cultural use of historic Canarsie pier (GNRA).
- Complete restoration of Canarsie Park including a nature trail.
- Complete CSO storage facility and Ecology Park including tidal wetland and adjacent upland habitat.

Mill Basin (Fort Sparrow Marsh)

3

- Support development of city-owned land along Flatbush Ave with public access where appropriate and protection of ecologically-sensitive areas.

Floyd Bennett Field & Jacob Riis Park

4

- Support plans to maximize public use and activation (GNRA).
- Explore options for boat access to Jamaica Bay in Jacob Riis Park.
- Collaborate on work of the Floyd Bennett Field Blue Ribbon Panel.

Former Schmitt's Marina Site

5

- Explore options for creating a nature preserve and publicly accessible open space with walkways and seating.

Beach Channel West/Beach Channel Park

6.a

- Secure funding for seawall repair from the Cross Bay Bridge to Beach 156th St. and improve public access along the bay by enhancing walkway connections between Tribute Park at Beach 116th St. and Beach 130th St.

Beach 108th St.

6.b

- Examine options for the reuse of the LIPA site once remediation is complete, as well as the vacant City-owned waterfront lots on the bay for waterfront recreation and transportation opportunities.

Beach Channel

7

- Improve Beach 88th St. for waterfront public access with walkways and seating.
- Support proposed commercial and marina development at Beach 80th St. which will restore the wetlands located on the site, provide public access on designated walkways, and provide a human-powered boat launch.

Arverne Urban Renewal Area

8

- Complete construction of the Arverne by the Sea project, including the Dunes, and a new YMCA recreation center, and ensure implementation of all five oceanfront public access paths, including Beach 67th St. which would lead to the elevated transit station.
- Improve wayfinding along Beach 59th St. to connect waterfront resources on the ocean and bay as well as the elevated transit station and planned Rockaway Institute for Sustainable Environment.
- Support planned educational center and nature preserve and maintain habitat between Beach 44th St. and Beach 56th St.

Edgemere

9

- Continue construction of Edgemere Urban Renewal Area with housing, parks, and additional open spaces.
- Examine possible future uses for remediated landfill in conjunction with a master plan for Rockaway Community Park that improves pedestrian access and includes opportunities for boat launch based on the criteria in the Citywide Strategy.
- Address mosquito issue and restore shoreline and habitats.

Idlewild Park

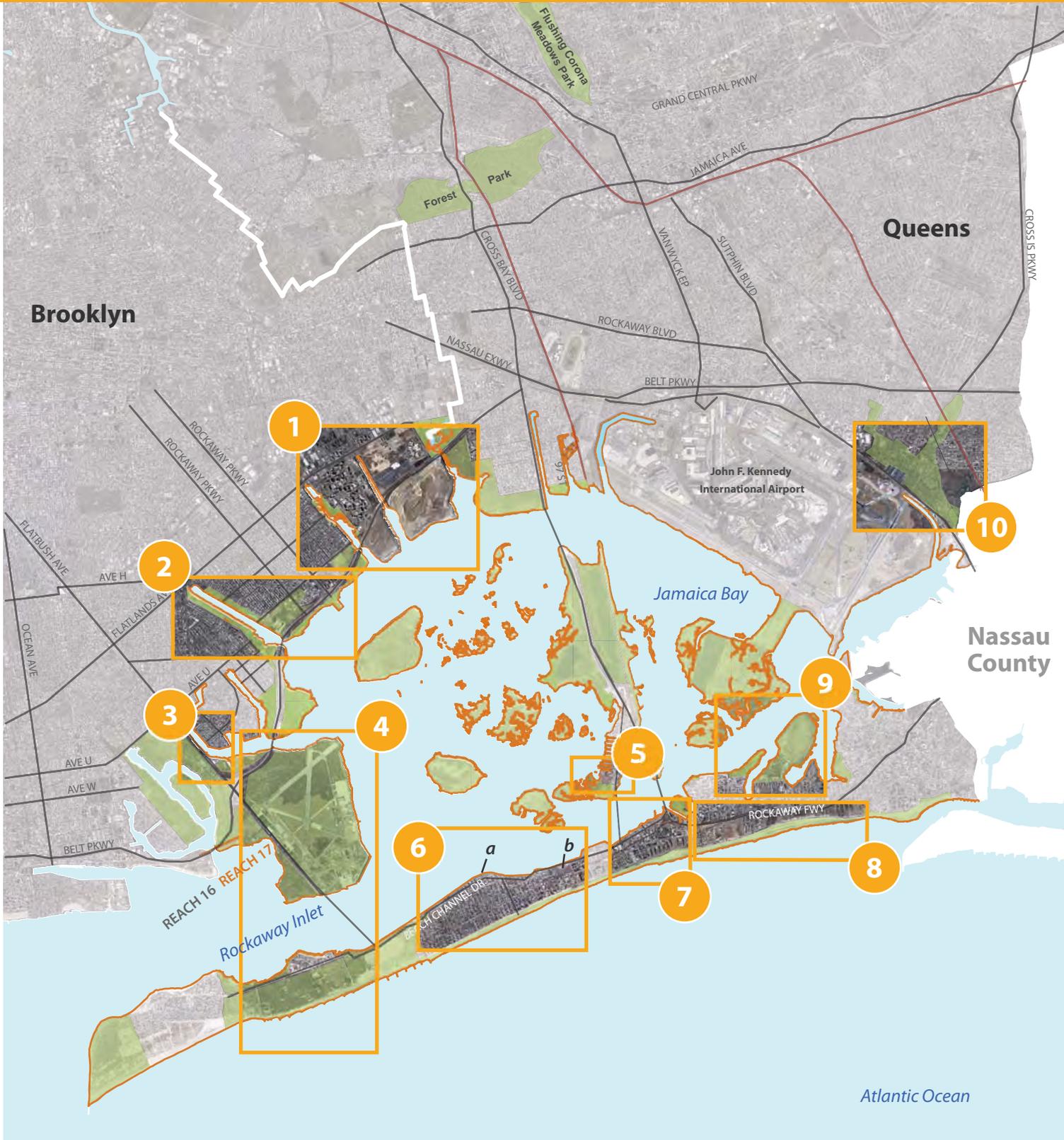
10

- Advance park master plan to enhance public access including an environmental education center.
- Explore opportunities for an additional human-powered boat launch based on the criteria described in the Citywide Strategy.

Rockaway Peninsula

- Conduct an eel-grass pilot study at Breezy Point Tip.
- Explore providing human powered boat access to the Atlantic Ocean.
- Coordinate any additional community suggestions for improving waterfront access with current set of recommendations.
- Support the implementation of the National Park Service's Jamaica Bay Greenway Missing Links Study and the Department of City Planning's Bike Lanes Under Elevated Rail Lines report.
- Complete improvements to Rockaway Beach Park, including recreational areas and amenities.

REACH 17 - JAMAICA BAY / ROCKAWAY



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 18 - STATEN ISLAND NORTH SHORE

Location: North Shore of Staten Island from Bard Ave. to Fort Wadsworth along the Kill Van Kull and Upper New York Bay

Upland Neighborhoods: New Brighton, St. George, Tompkinsville, Stapleton, Clifton, Rosebank, Fort Wadsworth, Shore Acres

Neighborhood Strategies

Reachwide

- Explore means to provide public views of waterfront activity along with interpretive signage.
- Provide easy and inviting connections between Staten Island Ferry and North Shore destinations.
- Continue the implementation of the North Shore Esplanade recommendations from Snug Harbor to the Verrazano Bridge as public and private projects are proposed along its route, providing a continuous bicycle and pedestrian pathway along the waterfront where feasible.

Snug Harbor

1

- Improve public access from the Staten Island Ferry Terminal along the waterfront and Richmond Terrace.
- Evaluate reconstruction of dock for potential future use.
- Improve pedestrian crossing to waterfront.
- Support designation of Snug Harbor wetlands in the Bluebelt program.
- Investigate relocating former rail right of way at Snug Harbor and take steps to protect against erosion.
- Improve bicycle connections and facilities.

New Brighton Waterfront

2

- Work with maritime businesses to build maritime infrastructure and recruit new maritime use.
- Encourage development of maritime hub with cultural and commercial uses; recruit light industrial users to complete new "Gateway to Working Waterfront."
- Evaluate retaining wall on North Shore esplanade to identify long-term maintenance needs.
- Investigate relocating rail right-of-way to facilitate maritime expansion.
- Provide wider sidewalks, bike lanes, and turn lanes on Richmond Terrace and reduce truck queuing on Richmond Terrace.

St. George

3

- Improve pedestrian connections between ferry terminal, waterfront and civic center.
- Activate public spaces with cultural uses.
- Explore how any future development at parking lots could improve waterfront access.
- Study feasibility and necessary infrastructure investments for development of baseball and ferry parking lots.

St. George - Ferry Terminal

3.b

- Provide better outreach and information to tourists to promote St. George as tourist destination.
- Improve bicycle connections and facilities.
- Ensure bus ramp redevelopment improves pedestrian connections.

North Shore Esplanade

4

- Support improvement of connections along waterfront from St. George to Stapleton, including such areas as Bay Street Landing Promenade.

Former Coast Guard Site

4.a

- Execute development agreement for residential, retail and open space components; consider feasible plans to create a cultural component that pays tribute to the site's history.

Merchant Marine Memorial Plaza

4.b

- Repair and maintain public waterfront plaza and pier.

Victory Blvd.

4.c

- Extend North Shore Promenade.
- Explore opportunities for kayak launch based on the criteria described in the Citywide Strategy.

Cromwell Center

4.d

- Evaluate Cromwell Center facility.

New Stapleton Waterfront

5

- Commence construction of 6-acre waterfront esplanade.
- Restore natural waterfront with limited on-water recreation in the cove.
- Support extension of the North Shore Promenade.
- Support master-planned development on the waterfront, along with necessary infrastructure improvements.

Edgewater/Rosebank

6

- Support continued water-dependent maritime uses.
- Support creation of public access to extend the North Shore Promenade as redevelopment occurs.
- Consider rezoning for residential development incorporated with public access.

Fort Wadsworth

7

- Support National Park Service's General Management Plan process for Gateway National Recreation Area to provide additional opportunities for waterfront access, recreational use and cultural exploration.

REACH 18 - STATEN ISLAND NORTH SHORE



Reach Boundary



Recommendation Areas



Major Parklands



REACH 19 - STATEN ISLAND SOUTH SHORE

Location: Lower New York Bay and Raritan Bay from Verrazano Bridge to Conference House Park

Upland Neighborhoods: Midland Beach, South Beach, New Dorp Beach, Oakwood Beach, Great Kills Harbor, Eltingville Beach, Southeast Annadale, Prince's Bay, Tottenville

Neighborhood Strategies

Reachwide

- Study methods to limit coastal erosion on public and private land, including consideration of using suitable dredge material to replenish beaches.
- Explore creation of continuous bicycle and pedestrian pathway, along the waterfront where feasible.

Midland to Great Kills

1

- Support National Park Service's General Management Plan process for Gateway National Recreation Area to provide additional opportunities for waterfront access and to maximize public use and activation of Miller Field.
- Support completion of Midland Beach Children's Park and public amenities on the boardwalk.

Ocean Breeze Park

2

- Complete improvements to park including new regional athletic facility and indoor horseback-riding arena.

Oakwood Beach/Cedar Grove Park

3

- Restore and improve public access to the public park and beach.

Great Kills to Tottenville

4

- Work with DOT and DPR on evaluating the feasibility of widening street ends and posting signage to provide public waterfront viewing and seating areas.
- Identify and remove private obstructions and barriers placed on required public waterfront access sites.
- Consider providing public access along the mapped but unimproved section of Johnston Terrace to Sharrots Rd.

Lemon Creek

5

- Explore options for maintaining the navigability of the entrance channel to the Lemon Creek Marina.

REACH 19 - STATEN ISLAND SOUTH SHORE



— Reach Boundary

○ Recommendation Areas

■ Major Parklands



REACH 20 - ARTHUR KILL SOUTH

Location: Arthur Kill from southern end of Freshkills Park to northern boundary of Conference House Park

Upland Neighborhoods: Rossville, Charleston, Kreischerville, Tottenville

Neighborhood Strategies

Reachwide

- Explore creation of continuous bicycle and pedestrian pathway with connections to waterfront where feasible.
- Explore possible extension or creation of Significant Maritime and Industrial Area (SMIA).
- Support the widening of Arthur Kill Rd.

Rossville Waterfront

1

- Explore feasibility of improving municipal pier and recruiting maritime user.
- Support redevelopment that includes a mix of maritime, retail and commercial uses.
- Improve public waterfront access, incorporating Blazing Star Cemetery with an eventual link to Freshkills Park.

Charleston/Kreischerville

2

- Provide continuous esplanade along waterfront from Clay Pit Ponds Park to Tottenville with consideration of public safety and security of the Outerbridge Crossing.
- Explore rezoning in Special Area M district to minimize land use conflicts.
- Explore mixed-use development with housing and commercial uses along the Charleston waterfront near transit.

Richmond Valley

3

- Support incorporating Mill Creek in the Bluebelt program and providing complementary public access.

Ellis St. Waterfront

4

- Explore mixed-use development while supporting continued operation of existing marinas.

REACH 20 - ARTHUR KILL SOUTH



0 1/4 1/2 1 Miles



Reach Boundary



Recommendation Areas



Major Parklands



REACH 21- ARTHUR KILL NORTH

Location: Arthur Kill from New Jersey rail spur to the southern boundary of Freshkills Park

Upland Neighborhoods: Bloomfield, Travis, Freshkills

Neighborhood Strategies

Reachwide

- Explore possible extension or creation of Significant Maritime and Industrial Area (SMIA).
- Create a master plan that integrates ecological complexes into a single, linked preserve. Include opportunities and constraints analysis for acquisition, restoration, brownfield remediation, public access, and stormwater management.

Bloomfield Waterfront

1

- Reutilize industrial sites with modern distribution, maritime and commercial facilities that utilize the waterfront for goods movement, with sensitivity to existing wetlands.
- Explore financing mechanisms for essential infrastructure.
- Explore opportunities for public point access to waterfront.

Goethals Bridge

1.a

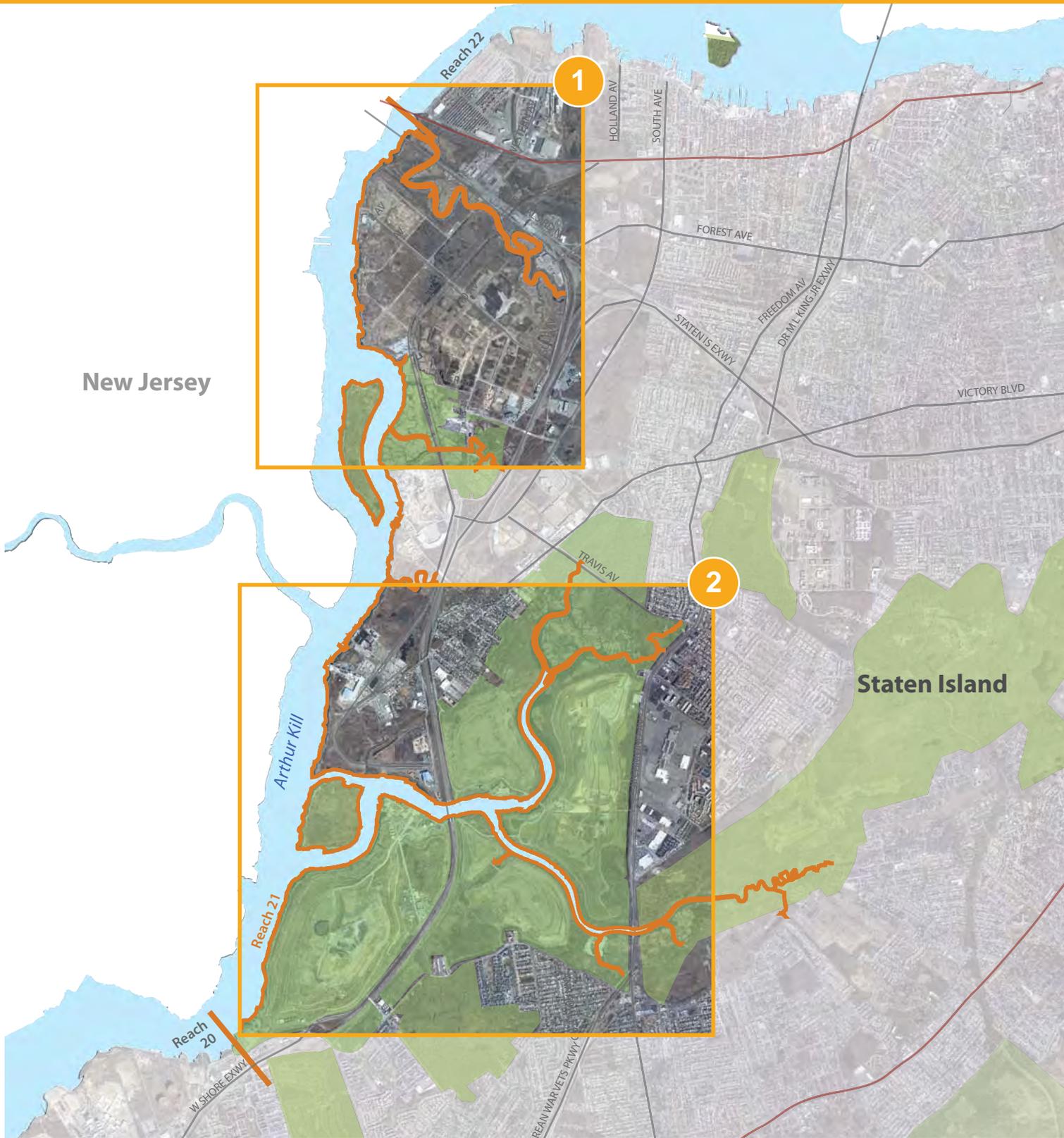
- Support designated site of new bridge and advocate for construction.
- Support expansion of maritime industry around new Goethals Bridge.
- Support provision of bike, pedestrian, and transit access on new bridge.

Freshkills Park

2

- Develop the first public access areas overlooking Main Creek.
- Construct portions of the new greenway construction.
- Explore opportunities for boat launch based on the criteria described in the Citywide Strategy.
- Protect and enhance natural habitats in appropriate areas within park.
- Support implementation of master plan for parkland.
- Map officially as parkland.
- Increase transportation to and through the park, with consideration for ferry, light rail and bus rapid transit.
- Explore potential sources of revenue such as park concessions.
- Promote as an eco-tourism destination.
- Retain barge tie-up fender systems and DSNY barge fleet during park construction.

REACH 21- ARTHUR KILL NORTH



— Reach Boundary

— Recommendation Areas

Major Parklands



REACH 22 - KILL VAN KULL

Location: Kill Van Kull, from Old Place Creek to Bard Ave., including Shooter's Island

Upland Neighborhoods: Arlington, Old Place, Graniteville, Mariners' Harbor, Port Richmond, Livingston Manor, West New Brighton

Neighborhood Strategies

Reachwide

- Coordinate with Community Board 1's efforts to designate a North Shore multi-purpose pathway, along the waterfront where feasible, from Snug Harbor to the Goethals Bridge connecting points of historic, cultural, recreational and maritime interest.
- Strengthen east-west transportation connections by making targeted intersection improvements, utilizing bus priority service on key routes and creating safe pedestrian connections along Richmond Terrace and to the waterfront.
- In coordination with the MTA North Shore Alternatives Analysis, resolve the conflicts between the former rail line, businesses and public spaces by relocating parts of the ROW and identifying underutilized lots that could support future transit.
- Incorporate educational opportunities on the history of the North Shore in coordination with new public waterfront access.
- Investigate using street-ends as public overlooks of maritime activity.
- Encourage transparent fencing along Richmond Terrace to view working waterfront.
- Determine necessary maritime infrastructure repair and expansion throughout maritime industrial sites.
- Identify needed physical improvements to the deteriorating shoreline and connect property owners with new tools to remediate contaminated sites.
- Explore possible changes to existing Significant Maritime and Industrial Area (SMIA).

Howland Hook/Arlington Marsh

1

- Complete environmental review for expanding container handling capacity at New York Container Terminal.
- Identify funding for remediation and development of waterfront access and active/passive recreation at Arlington Marsh.
- Complete transfer of 70-acre Arlington Marsh property from the Department of Small Business Services to the Parks Department.
- Determine appropriate municipal use at Arlington Marsh site.

Mariners Harbor Waterfront

2

- Use publicly owned land at Van Pelt/Van Name Ave. to provide open space with views of Shooters Island.
- Facilitate maritime expansion on underutilized sites.
- Recruit industrial users and maritime training facility to historic industrial buildings.
- Permit and recruit commercial amenities along Richmond Terrace frontage and in reused historic buildings.
- Provide safe pedestrian crossings at future parks.

Bayonne Bridge

3

- Support raising the bridge's roadway to increase its clearance to accommodate larger ships (with consideration of sea level rise), retain bicycle and pedestrian access, and consider future transit access.

Port Richmond

4

- Help recruit appropriate industrial uses to North Shore Industrial Park.
- Preserve and expand bulkhead at the end of Port Richmond Ave. for maritime use and provide appropriate buffer.
- Investigate de-mapping a portion of Port Richmond Ave. to encourage mixed uses and public access on the waterfront.
- Include waterfront connections in new waterfront development.
- Provide public overlook of maritime activity on the waterfront.
- Consider expanded uses along the waterfront, compatible with active maritime support services.

West Brighton Waterfront

5

- Facilitate maritime expansion on underutilized sites.
- Coordinate with MTA to market vacant site and pursue development that creates jobs and improves waterfront access.
- Encourage transparent fencing along Richmond Terrace to view working waterfront.
- Investigate relocating rail right-of-way to facilitate maritime expansion.
- Secure funding for remediation, design, and maintenance of new North Shore waterfront park.
- Encourage industrial and commercial uses that compliment the future waterfront park.

REACH 22 - KILL VAN KULL



Reach Boundary

Recommendation Areas

Major Parklands

