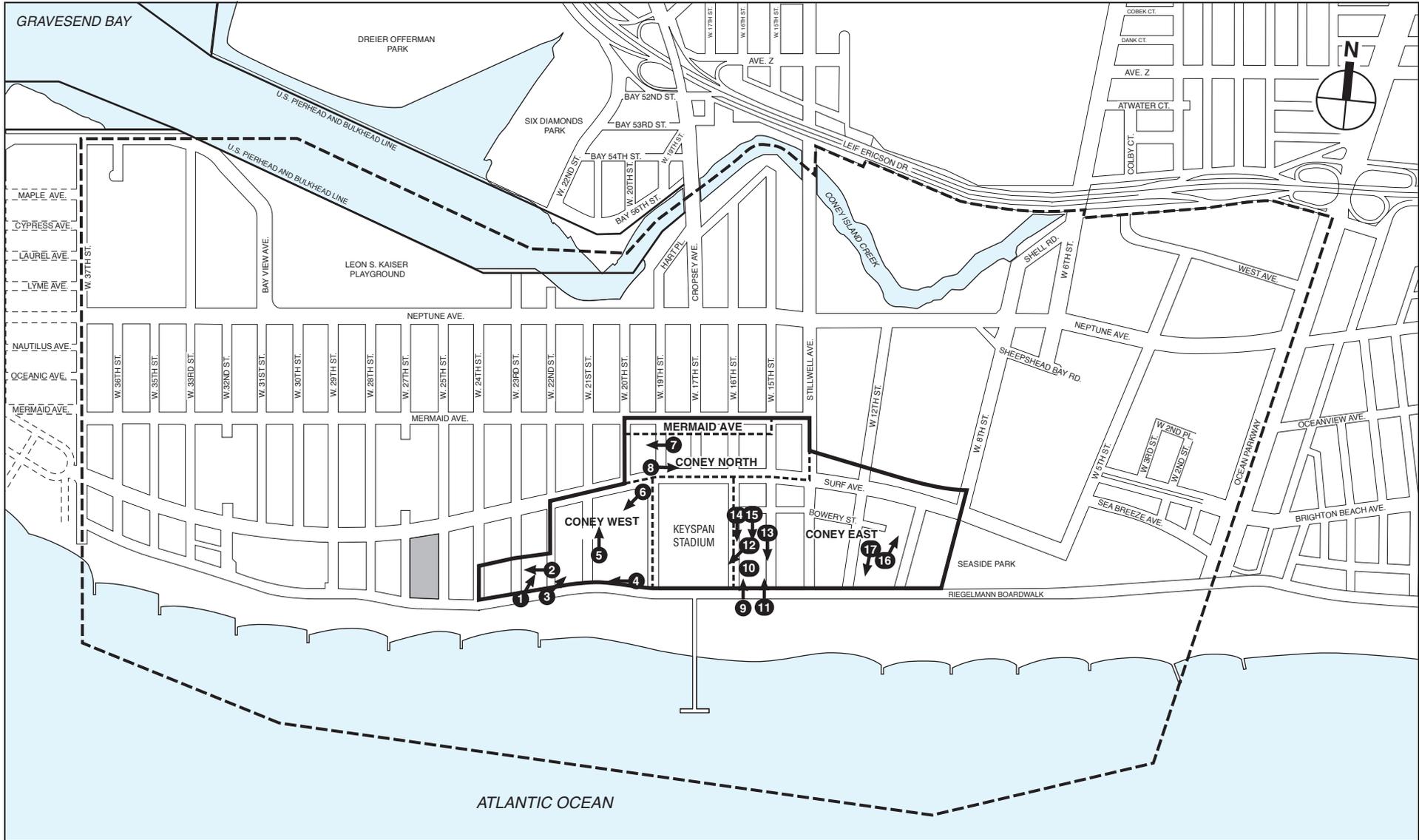
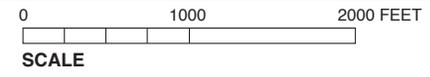


Appendix C: Natural Resources Photographs and Bibliography



- Primary Study Area Boundary (Rezoning Area Boundary)
- - - - -** Rezoning Area Subdistrict Boundary
- West 25th Street Parking Site
- · - · - ·** Secondary Study Area Boundary
- ➔** Photograph View Direction and Reference Number



CONEY ISLAND REZONING

Natural Resources Key to Photographs
Figure C-1



View of vacant lot from West 23 Street at Riegelmann Boardwalk facing northeast towards West 22nd Street 1



View of vacant lot from West 22nd Street facing west to West 23 Street 2



View of vacant lot from Riegelmann Boardwalk at West 22nd facing northeast 3



View of dune habitat facing west towards West 21st Street at Riegelmann Boardwalk 4



View from vacant lot on West 21st Street facing north to Surf Avenue 5



View from northeast corner of lot near Surf Avenue facing West 21st Street and Riegelmann Boardwalk 6



View facing West on West 19th Street of privately owned vacant lots 7



View facing east towards West 17th Street of privately owned vacant lot on West 19th Street 8



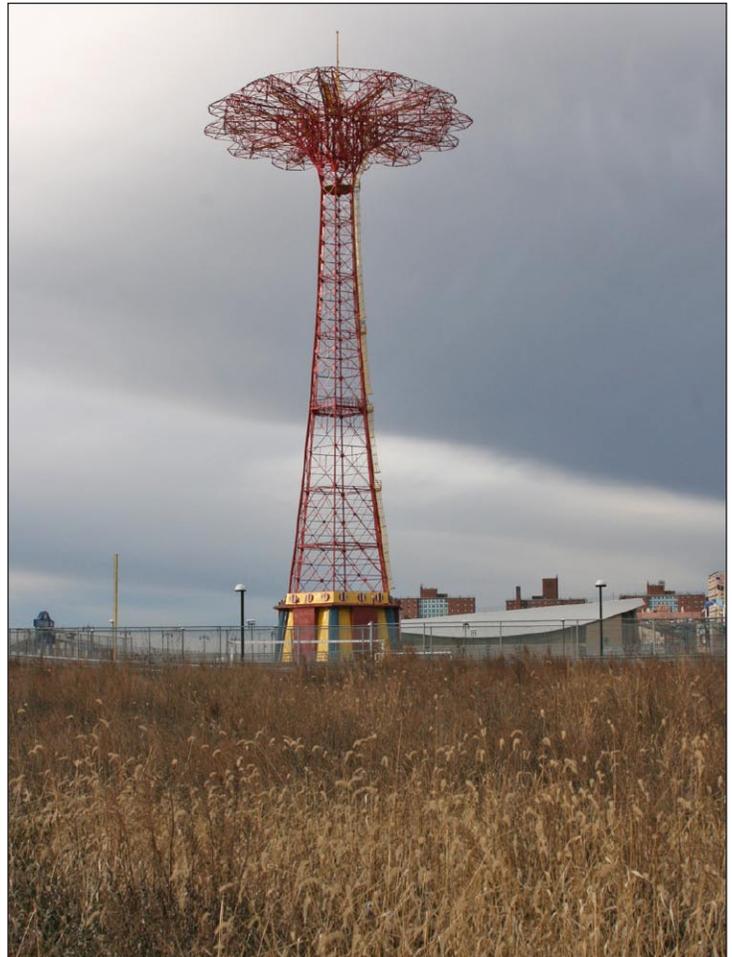
View from Riegelmann Boardwalk near West 16th Street facing north toward Surf Avenue 9



View of vacant lot and West 15th Street facing northeast from Riegelmann Boardwalk 10



View facing north of substrate and vegetation along West 15th Street 11



Facing south west towards West 16th Street
from interior of lot 12

Coney Island Creek
Natural Resources
Figure C-7



View from the Northeast (near West 15th Street) **13**
facing southwest towards Rigelmann Boardwalk



View of wet area in interior of lot east of Keyspan Stadium **14**



Common Reed dominating wet area in interior of lot east of Keyspan Stadium 15



Landscaped area west of aquarium building view facing northeast from area near Riegelmann Boardwalk 16



Landscaped area west of aquarium building 17
view facing south toward Riegelmann Boardwalk



Leon L. Kaiser Park Facing west 18



View of Calvert Vaux Park and Coney Island Creek from Leon S. Kaiser Park 19



View of Coney Island Wastewater Pollution Control Plant on Shellbank Creek from east bank 20

Appendix C:

Natural Resources Bibliography

- AKRF, Inc. *Avenue V Pumping Station Environmental Assessment Statement*. Prepared for New York City Department of Environmental Protection. August 2005.
- Avery, M.L., P.F. Springer, and J.F. Cassel. "The effects of a tall tower on nocturnal bird migration - a portable ceilometer study." *Auk* 93:281-291. 1976.
- Bain, M.B. "Atlantic and shortnose sturgeons of the Hudson River: common and divergent life history attributes." *Environmental Biology of Fishes*. 48: 347-358. 1997.
- Bain, M.B. Personal communication of Mark Bain (Cornell University, Ithaca, NY) with Jennifer Wallin (AKRF, Hanover, MD), April 2, 2004.
- Brosnan, T.M., and M.L. O'Shea. *New York Harbor Water Quality Survey: 1994*. New York City Department of Environmental Protection, Marine Sciences Section, Wards Island, NY. 1995.
- Coastal Environmental Services. *Television City Project: Characterization of the Aquatic Ecology of the Site and Assessment of Potential Impacts of the Project on the Aquatic biota*. Prepared for Berle, Kass, and Case, New York, New York; McKeown and Franz, Inc., New York, NY; and The Trump Organization, New York, NY. 1987.
- Colligan, M.A. Correspondence dated November 28, 2007, from Ms. Mary A. Colligan, US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Region, to Aubrey McMahon, AKRF, Inc. 2007.
- Conant, Roger and Joseph T. Collins. *A Field Guide to Reptiles and Amphibians Eastern and Central North America, 3rd ed.* New York, NY. Houghton Mifflin Company. 1998.
- de Laguna, Wallace. *Geologic correlation of logs of wells in Kings County, New York*: New York State Water Power and Control Commission Bulletin GW-17, 35 pp. 1948.
- Deinlein, M. *Neotropical Migratory Bird Basics*. Smithsonian Migratory Bird Center. Undated.
- Edinger, G.J. et al. *Ecological Communities of New York State: Second Edition*. Albany, NY. 2002.
- EA Engineering, Science, and Technology. *Phase I feasibility study of the aquatic ecology along the Hudson River in Manhattan. Final Report*. Prepared for New York City Public Development Corporation, New York, NY. Newburgh, NY. 1990.
- EEA. *Hudson River Center Site Aquatic Environmental Study. Final Report*. Garden City, NY. 1988.
- Federal Emergency Management Agency. *Flood Insurance Study: City of New York, New York, Bronx County, Richmond County, New York County, Queens County, Kings County*. 108 pp. September 5, 2007.

Coney Island Rezoning

- Gullen, P.J. and Cranston, P.S. *The insects: an outline in entomology*. 3rd ed. Blackwell Science. Oxford. 505 pp. 2005.
- Hazen and Sawyer. Newtown Creek Water Pollution Control Plant. Revised Application for Modification of the Requirements of Secondary Treatment Under Section 301(h), PL 97-117. Prepared for the City of New York, Department of Environmental Protection. 1983.
- Hudson-Raritan Estuary Ecosystem Restoration Project. Accessed on January 30, 2008. Available: <http://hudsonraritanrestoration.org/index.htm>.
- Hydroqual. Coney Island Creek Water Quality Monitoring Program Survey Data. 2004. Accessed on January 25, 2008.
- Interstate Environmental Commission. 2006 Annual Report. January 2007.
- Kerlinger, P. *How Birds Migrate*. Mechanicsburg, PA: Stackpole Books. 228 pp. 1995.
- Lauer, G. "Preliminary Studies Concerning Effects of Cooling System Transport Upon Planktonic Organisms at the Astoria Power Station, Queens, NY." Report prepared for Consolidated Edison Company of New York, Inc. 1971.
- Lonsdale, D.J., and Coper, E.M. "Phytoplankton Productivity and Zooplankton Feeding and Productivity in the Lower Hudson River Estuary." Marine Sciences Research Center, SUNY, Stony Brook, NY. Final report to the Hudson River Foundation, New York, NY. 1994.
- Martin, G.R. "The visual problems of nocturnal migration." In: E. Gwinner (ed.) *Bird Migration*. Springer-Verlag Berlin Heidelberg. pp. 185-197. 1990.
- Misut, P.E., and J. Monti, Jr. "Simulation of ground-water flow and pumpage in Kings and Queens Counties, Long Island, New York." U.S. Geological Survey, Water-Resources Investigations Report 98-4071. Prepared in cooperation with New York City Department of Environmental Protection. 1999.
- Nadareski, C. 2009. Personal communication regarding Peregrine Falcon nesting activity within the Coney Island area between Christopher Nadareski, NYCDEP and Dr. Andrew Bernick, AKRF on April 27, 2009.
- National Audubon Society. "Christmas Bird Count Data, 2005-2007 for Brooklyn [NYBR] Count Circle." 2007. Accessed on October 27, 2008. Available: http://audubon2.org/cbchist/count_table.html.
- National Oceanic Atmospheric Administration National Marine Fisheries Service. Summary of Essential Fish Habitat (EFH) Designation. Accessed on January 25, 2008. Available: http://www.nero.noaa.gov/hcd/STATES4/conn_li_ny/40307350.html.
- New York State Avian Records Committee. Rare Bird Records from 2000-2004. 2008. Accessed on October 27, 2008. Available: <http://www.nybirds.org/NYSARC/NYSARCActions.html>.
- New York State Department of Environmental Conservation. "Section 703.3 Water Quality Standards for pH, Dissolved Oxygen, Dissolved Solids, Odor, Color and Turbidity." Accessed November 27, 2007. Available: <http://www.dec.ny.gov/regs/4590.html#16132>. 1999.

Appendix C: Natural Resources Bibliography

- New York State Department of Environmental Conservation (DEC). NYS Breeding Bird Atlas 2000-2005. Records for Block 5849C. 2007. Accessed January 9, 2008. Available: <http://www.dec.ny.gov/cfm/xtapps/bba/>. (DEC 2007a)
- New York State Department of Environmental Conservation. "The Final New York State 2007 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategies." May 17, 2007. Accessed on December 3, 2007. Available: http://www.dec.ny.gov/docs/water_pdf/303dlist06.pdf. (DEC 2007b)
- New York State Department of Environmental Conservation. "The Draft New York State 2008 Section 303(d) List of Impaired Waters Requiring a TMDL/Other Strategies." January 18, 2008. Accessed on January 28, 2008. Available: http://www.dec.ny.gov/docs/water_pdf/303dlist06.pdf.
- New York State Department of Environmental Conservation. New York State Herp Atlas Project. 1999. Accessed January 09, 2008. Available: <http://www.dec.ny.gov/animals/7140.html>.
- New York State Department of Environmental Conservation. Undated[a]. Piping Plover Fact Sheet. Accessed January 9, 2008. Available: <http://www.dec.ny.gov/animals/7086.html>.
- New York State Department of Environmental Conservation. Undated[b]. Roseate Tern Fact Sheet. Accessed January 9, 2008. Available: <http://www.dec.ny.gov/animals/7084.html>.
- New York State Department of Environmental Conservation. Undated[c]. Shortnose Sturgeon Fact Sheet. Accessed January 9, 2008. Available: <http://www.dec.ny.gov/animals/26012.html>.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 1995 Data." Released 1996.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 1996 Data." Released 1997.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 1997 Data." Released 1998.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 1998 Data." Released 1999.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 1999 Data." Released 2000.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2000 Data." Released 2001.
- New York City Department of Environmental Protection. "2001 New York Harbor Water Quality Report." May 2002. (DEP 2002a)
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2001 Data." Released 2002. (DEP 2002b)
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2002 Data." Released 2003. (DEP 2003)
- New York City Department of Environmental Protection. "2003 New York Harbor Water Quality Report." July 2004. (DEP 2004a)

Coney Island Rezoning

- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2003 Data." Released 2004. (DEP 2004b)
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2004 Data." Released 2005.
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2005 Data." Released 2006.
- New York City Department of Environmental Protection. "2006 New York Harbor Water Quality Report." Undated. Released 2007. (DEP 2007a)
- New York City Department of Environmental Protection. "The City of New York Department of Environmental Protection Harbor Survey 2006 Data (35 Stations)." Released 2007. (DEP 2007b)
- New York City Department of Environmental Protection. "Draft Coney Island Waterbody/Watershed Facility Plan Report." June 2007. (DEP 2007c)
- New York City Department of Environmental Protection. "Receiving Water Quality Modeling Report Volume 2 Coney Island Model" July 2007. (DEP 2007d)
- New York City Department of Environmental Protection. Undated. "Peregrine Falcons in New York City." Accessed October 31, 2008. Available: <http://www.nyc.gov/html/dep/html/news/falcon.shtml>.
- Ogden, L. P. "Collision course: the hazards of lighted structures and windows to migrating birds." World Wildlife Fund Canada and the Fatal Lights Awareness Program. 46 pp. 1996.
- Opler, Paul A., Harry Pavulaan, Ray E. Stanford, Michael Pogue, coordinators. 2006. Butterflies and Moths of North America. Bozeman, MT: NBII Mountain Prairie Information Node. Available: <http://www.butterfliesandmoths.org/>. Accessed on December 23, 2008.
- Pane, J. 2008. Personal communication regarding Peregrine Falcon nesting activity within the Coney Island area between Joseph Pane, NYSDEC and Dr. Andrew Bernick, AKRF on October 31, 2008.
- Peterson, D., and M. Bain. Sturgeon of the Hudson River: current status and recent trends of Atlantic and shortnose sturgeon. Annual Meeting of the American Fisheries Society, Baltimore, MD. 2002.
- PBS&J. *The Hudson River Park Final Environmental Impact Statement*. Natural Resources Appendix. Prepared for the Empire State Development Corporation and the Hudson River Park Conservancy. 1998.
- Perlmutter, A. Ecological Studies Related to the Proposed Increase in Generating Capacity at the Astoria Power Station of Consolidated Edison. Report prepared for the Consolidated Edison Company of New York, Inc. 1971.
- PlanNYC 2030. Accessed on October 28, 2008. Available <http://www.nyc.gov/html/planyc2030/html/home/home.shtml>.
- Reschke, C. Ecological Communities of New York State. New York Natural Heritage Program. New York State Department of Environmental Conservation. Latham, N.Y. 96 pp. 1990.

Appendix C: Natural Resources Bibliography

- Savoy, Thomas and Deborah Pacileo. "Movements and Important Habitats of Subadult Atlantic Sturgeon in Connecticut Waters." *Transaction of the American Fisheries Society* 132:1-8. 2003.
- Schmidt-Koenig, K. *Avian Orientation and Navigation*. New York: Academic Press. 1979.
- Smith, C.L. *The Inland Fishes of New York State*. The New York State Department of Environmental Conservation. 1985.
- Seoane, T. Personal communication dated October 30, 2008 from Ms. Tara Seoane, Information Services, NY Natural Heritage Program, to Aubrey McMahon, AKRF. 2008.
- Stegemann, E.C. *New York's Sturgeon*. NY State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources, www.dec.state.ny.us/website/dfwmr/fish/fishspecs/sturtex.html. 1999.
- Steinberg, N., D.J. Suszkowski, L. Clark, and J. Way. *Health of the Harbor: The First Comprehensive Look at the State of the NY/NJ Harbor Estuary*. Prepared for the New York/New Jersey Harbor Estuary Program by the Hudson River Foundation, New York, NY. 2004.
- Steinberg, N., J. Way, and D.J. Suszkowski. *Harbor Health/Human Health: an Analysis of Environmental Indicators for the NY/NJ Harbor Estuary*. Prepared for the New York/New Jersey Harbor Estuary Program by the Hudson River Foundation for Science and Environmental Research. Produced under a cooperative agreement between the Hudson River Foundation and US EPA Region II. 2002.
- Stepien, J.C., Malone, T.C. and Chervin, M.B. "Copepod communities in the estuary and coastal plume of the Hudson River." *Estuarine, Coastal and Shelf Science* 13:185-194. 1981.
- Tuxbury, Susan 2007. Correspondence dated December 10, 2007, from Ms. Susan Tuxbury, US Department of Commerce, National Oceanic and Atmospheric Administration, National Marine Fisheries Service, Northeast Region, to Aubrey McMahon, AKRF, Inc.
- United States Army Corps of Engineers. "New York and New Jersey Navigation Study Final Environmental Impact Statement/Final Feasibility Report." December 1999.
- United States Army Corps of Engineers. "Hudson-Raritan Estuary Environmental Restoration Feasibility Study: Lower Bay Study Area Report." June 2004. US Army Corps of Engineers, New York District.
- United States Department of Agriculture (USDA) – National Resources Conservation Service. 2000. Smooth cordgrass (*Spartina alterniflora*) Plant Guide. Accessed on 9 January 2009. Available: http://plants.usda.gov/plantguide/pdf/pg_spal.pdf
- United States Department of Agriculture (USDA) – National Resources Conservation Service. 2002. Smooth cordgrass (*Spartina alterniflora*) Fact Sheet. Accessed on 9 January 2009. Available: http://plants.usda.gov/factsheet/pdf/fs_spal.pdf
- United States Environmental Protection Agency (USEPA), Region 2. 1983. Brooklyn-Queens Aquifer System. <http://www.epa.gov/region02/water/aquifer/brooklyn/brooklyn.htm>.
- United States Fish and Wildlife Service. "Significant Habitats and Habitat Complexes of the New York Bight Watershed. 1997. Accessed on January 9, 2008. Available: http://training.fws.gov/library/pubs5/web_link/text/jb_form.htm.

Coney Island Rezoning

United States Fish and Wildlife Service. “National Wetlands Inventory (NWI)” 2007. Digital data accessed on January 10, 2008. Available: <http://www.fws.gov/nwi/>.

United States Fish and Wildlife Service. “Kings County Federally Listed Endangered and Threatened Species and Candidate Species.” Available: <http://www.fws.gov/nwi/>. Accessed on December 10, 2007.

United States Fish and Wildlife Service New York Field Office. Undated. “Seabeach Amaranth.” Accessed on December 10, 2007. Available: <http://www.fws.gov/northeast/njfieldoffice/Endangered/amaranth.html>

United States Geological Survey (USGS). Water-table altitude in Kings and Queens Counties, New York, in March 1997. Fact Sheet FS 134-97. 1997.

Wetlands Transfer Task Force “Recommendations for the Transfer of City-Owned Properties Containing Wetlands.” Prepared under Local Law 83 of 2005. September 2007. *