

Collaboration between English Kills Project, Newtown Creek Alliance and Aquatorium, Inc. with funding provided by NCA.

Principles:

- **DESIGN:** Using the NCA Living Dock design as a foundation to build upon, to create a similar project in the possible forms of an island, atoll and or man-made wetland community site-specific to English Kills.
- **BIO-REMEDiate:** To introduce native organisms that remediate naturally, facilitating additional colonization of organisms in tributaries and bulkhead areas. For the purpose of bio-remediation of the creek by reintroduction of live bivalve animals and native plants as natural organisms to filter and clean the creek water of harmful bacteria, ecoli, human enterococcus and toxins. To reintroduce natural grasses and plants with dispersal potential (that disperse seeds) and reestablish themselves in the creek and to create new kinds of forms e.g. offshoots, or new natural wetland community.
- **BIO-EXPERIMENT:** To determine whether the experiment of bringing (native) living organic materials to English Kills can survive under the harsh conditions of English Kills and determine whether man-made wetlands in English Kills can sustain itself, regenerate and grow.
- **MULTI-FUNCTIONAL:** For the project to serve a multifunctional purpose, as dock, an island/atoll, mussel habitat, floating wetland (with salt marsh) habitat and possibly as a transportation vehicle in order to barge or install from one side of the creek to another (use battery operated motor only).
- **AVOID TOXIC LEACHING:** To fabricate with non-leaching (or as minimal as possible) materials. To avoid introducing new materials which contribute to the current pollution. To construct with mindfulness and a vision toward sustainability.
- **STURDY MAINTENANCE:** To fabricate in such a way that it does not disintegrate, that it does not contribute to the detritus and pollution to the creek. To fabricate and design in order to ease the general maintenance of the project.
- **SUSTAIN, ENCOURAGE NEW HABITATS:** To sustain and encourage the current natural habitat, the manmade habitat and new natural habitats for the living creatures of English Kills.