



Department of
Environmental
Conservation



Long Island Shellfish Restoration Project (LISRP)

Debra Barnes, Chief, Shellfisheries
Suffolk County Harmful Algal Bloom Symposium
May 16, 2018

Long Island Shellfish Restoration Project (LISRP)

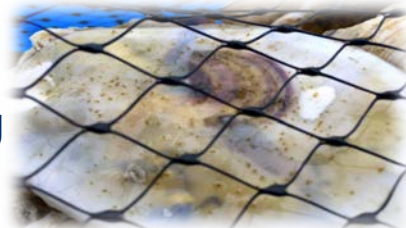
**\$10.4M 5-Point Restoration Plan announced by
Governor Andrew Cuomo September 2017**

**Largest Shellfish Restoration Project in New York State
Two-year Restoration Project for 2018 and 2019**



LISRP 5-Point Restoration Plan

1. Establish 5 shellfish sanctuary sites in Nassau and Suffolk Counties to improve water quality, mitigate HABs and restore native shellfish populations
2. Invest \$7.25M in public hatcheries to increase shellfish seed production; Target 115M seed clams & 35M spat-on-shell oysters for planting in 2018 through 2019
3. \$3.15M to purchase 12M adult clams from shellfish dealers and 16M by restarting Raritan Bay transplant program; Target of 28M clams
4. Establish Shellfish Restoration Council
5. DEC one-stop shop for permitting



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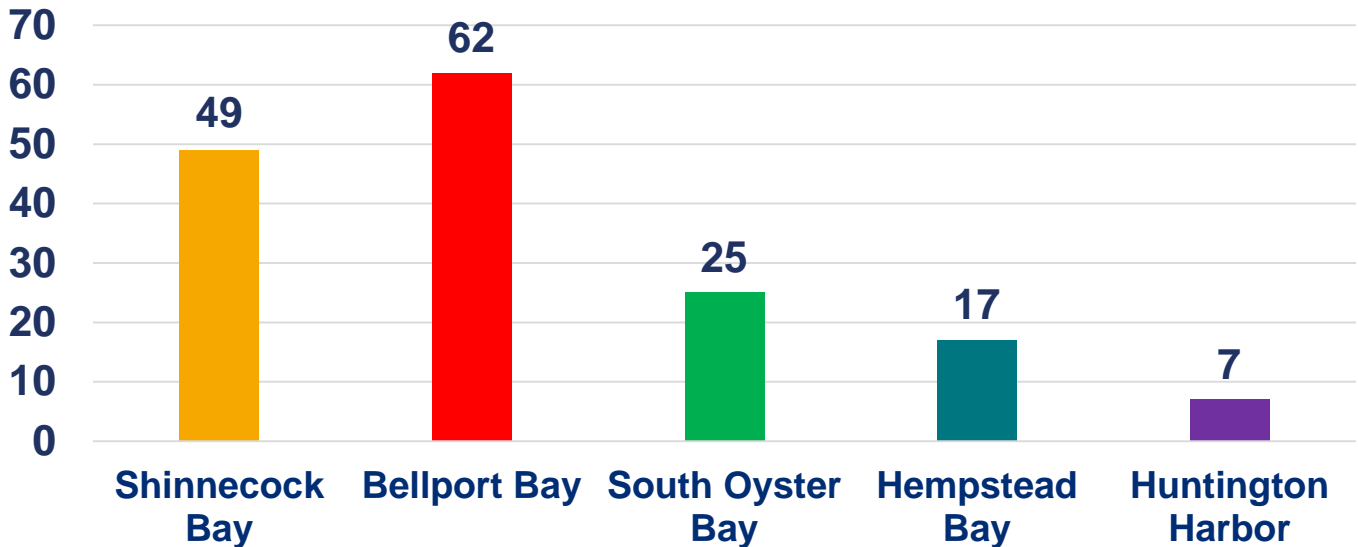
ESTABLISH 5 SHELLFISH SANCTUARY SITES



The plan will establish **five new shellfish sanctuary sites** at strategically-identified locations in Nassau and Suffolk counties...

Shellfish Stocking in Sanctuaries

Adult and Juvenile Clams and Spat-on-Shell Oysters (Millions)



Shinnecock Bay

Bellport Bay

South Oyster Bay

Hempstead Bay

Huntington Harbor

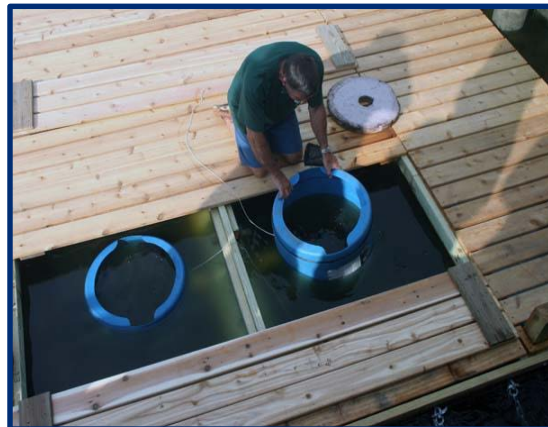
Investment in Public Shellfish Hatcheries

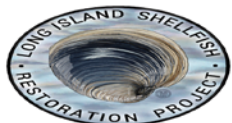
- \$5.25M Grant to Suffolk County Cornell Cooperative Extension (CCE) to expand existing hatchery and produce and plant 115M seed clams and 35M spat-on-shell oysters in established sanctuaries;
 - \$2M Grant program for municipalities and tribal nations to conduct public shellfish hatchery expansion projects:
 1. \$1.6M Public Hatchery Improvement funds to increase shellfish production in existing hatcheries; \$400K maximum award
 2. \$400K Engineering Analysis funds to develop new or re-establish public shellfish hatcheries; \$150K maximum award
- Estimated 44M shellfish production**



Additional CCE Project Activities

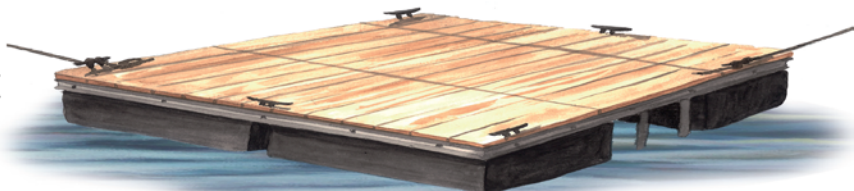
- Construct and deploy up to 73 Floating Upwelling Systems (FLUPSYs) at nursery sites across Long Island to grow out seed clams
- Public and private partners are needed to host FLUPSYs
- Conduct field work for establishment of the 5 sanctuary sites between May through September (East to West; Shinnecock to Hempstead)
- Planting and monitoring of juvenile seed clams and spat-on-shell oysters in sanctuaries





HELP RESTORE SHELLFISH POPULATIONS ON LONG ISLAND!

Become a collaborative partner and get involved in this important initiative by hosting a floating shellfish nursery at your facility!



This fall, Governor Cuomo announced funding for an innovative, island-wide shellfish restoration initiative. Through a series of private and public sector partnerships, the project will bolster shellfish populations, improve the quality of our waters and the resiliency of our shorelines. For more information, follow this link to the Governor's announcement: <http://on.ny.gov-/2eGbPcF>



Cornell Cooperative Extension of Suffolk County's role is to spawn and grow 179 million shellfish over a two year period. After grow-out in floating nurseries, the shellfish will be planted in designated sanctuary sites in both Nassau and Suffolk Counties. Consistent with our mission, we will involve the public in this effort through educational and volunteer opportunities.

"We have one simple obligation- to leave this place better than we found it, and as we face the ongoing challenge of climate change, New York will continue to invest now to preserve the quality, resiliency and natural beauty of Long Island for generations to come."
Governor Andrew Cuomo

Please let us know if you are interested in becoming an industry or municipal partner in support of this effort!

For more information contact Jackie Wilson: js4443@cornell.edu or (631) 727- 7850 ext. 305 or visit our website at: <http://LIShellfishRestorationProject.org>.



Cornell Cooperative Extension Marine Program

Cornell Cooperative Extension is an equal opportunity, affirmative action educator and employer. Cornell Cooperative Extension is funded in part by Suffolk County through the office of the County Executive and the County Legislature. Learn more at CCESuffolk.org/Marine.



Project Partners (DEC, Stony Brook University, Towns)

- DEC: Overall Project oversight; manage contracts for CCE and public hatcheries; purchase of adult clams from dealers and transplants for planting in sanctuaries, and procurements for monitoring of sanctuary sites;
- Coordinate delivery and planting of adult clams in sanctuaries with towns and Stony Brook University;
- Stony Brook University: Oversee planting of adult clams in sanctuaries with assistance from towns;
- Conduct monitoring at sanctuary sites for 5 years to evaluate water quality improvements and shellfish enhancement to demonstrate success of LISRP
- Towns: Host FLUPSYs and manage sanctuaries for restoration purposes; enforce as no harvest areas

Shellfish Restoration Council

- Led by three Co-Chairs: Dr. Chris Gobler, Stony Brook Univ., Chris Pickerell, CCE and Pete Malinowski, Billion Oyster Project
- Provide guidance on the LISRP and recommendations on future restoration efforts in New York's marine district
- Coordinate training and education programs with various partners to support coastal resiliency and citizen science
- First meeting to be held in June
- Check DEC's website for additional information on Council meetings and the LISRP www.dec.ny.gov

Restore New York Shellfish



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