



US Army Corps
of Engineers.
Engineer Research and
Development Center

National Regional Sediment Management Program New York District (NAN):



South Shore of Long Island, NY Regional Sediment Management Investigation

Description (The south shore of Long Island, NY includes regionally important Federal navigation channels, coastal storm risk management (CSRМ) projects, recreational areas, and habitat for critical species that could benefit from improved regional sediment management. This proposal includes a review of the existing systems, and a plan for developing regional sediment management strategies that could benefit existing and planned Federal projects, the region’s economy, and the environment. CENAN proposes completion of an investigation into unaddressed opportunities for improving management of sediment from the system of inlets and Federal Navigation Channel assets along the south shore of Long Island. These include the following Federal Navigation Channel assets: Jamaica Bay (Rockaway Inlet), East Rockaway Inlet, Jones Inlet, Fire Island Inlet, Moriches Inlet, Shinnecock Inlet, and Long Island Intracoastal Waterway. Billions of dollars in Federal investments may benefit from actionable recommendations made through the proposed investigation. Technical tools and lessons learned could be used for nationally-important regions and USACE projects.



Federal navigation channels included in investigation, south shore of Long Island, NY.

Issue/Challenge To Address

The south shore of Long Island contains a number of navigation channels, and a high density of Federal investment along the shoreline. There is a wealth of information available regarding the sediment transport system, and a long history of beneficial reuse of material. There is a history of success in beneficially using sand within this system, but these activities are often based upon decisions made over the last 20 years, and may not reflect the current needs, and available opportunities within the current USACE framework.

Successes Lessons Learned

TBD

Projected Benefits Cost Savings Value Added

A significant opportunity exists to use existing knowledge and tools to better manage complementary projects on the south shore. Based upon the level of investment in this region, improved efficiencies in managing this system more effectively could result in savings of tens of millions of Federal dollars annually.



US Army Corps
of Engineers.
Engineer Research and
Development Center

National Regional Sediment Management Program New York District (NAN):



South Shore of Long Island, NY Regional Sediment Management Investigation

Expected Products

- Technical Report
- Technical Note
- Conference workshops and/or presentations

Stakeholders/Users

USACE, New York State, local municipalities and stakeholders

Leveraging Opportunities

There is tremendous amount of information on the physical setting, and the existing sediment transport system, which is available as a result of ongoing and planned work associated with the long list of projects. Opportunities exist to leverage design work, surveys, modeling results, and other work products from the Federal, state, and local projects.

Points of Contact

Danielle Tommaso, CFM

Participating Partners

TBD