

FY20 RSM IPR

NAN, South Shore of Long Island RSM Investigation, POC: Danielle Tommaso



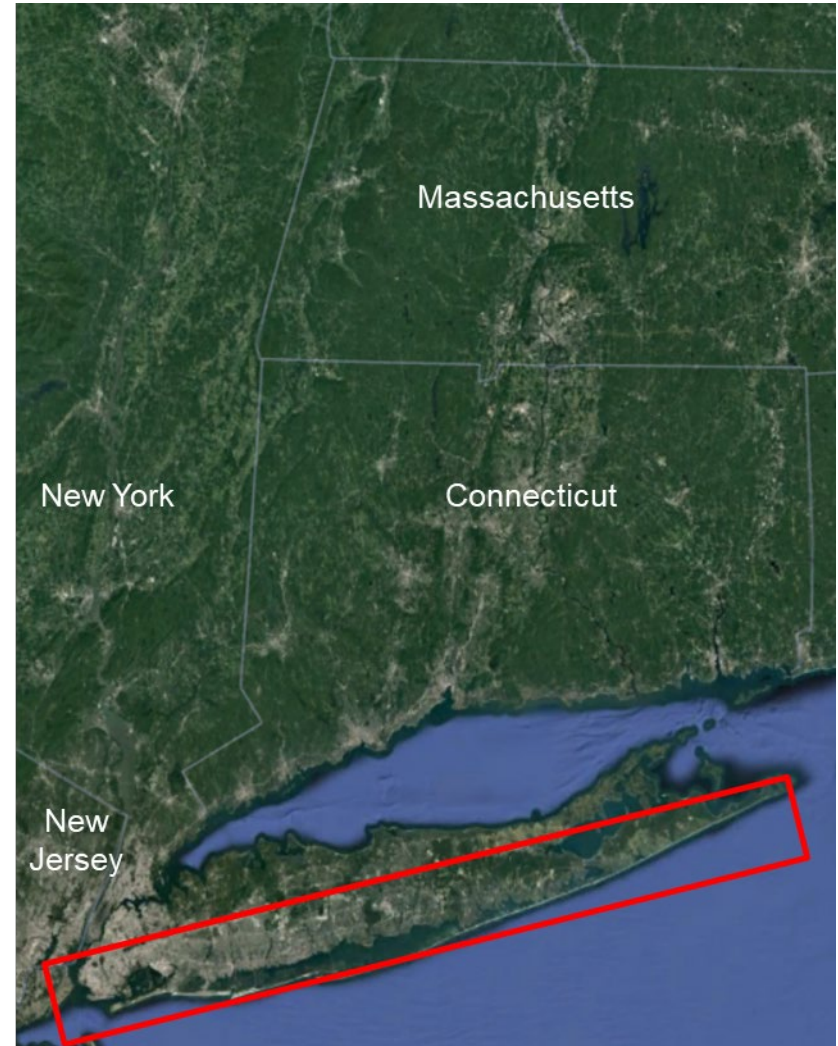
BLUF: The goal of the two-year investigation is to help the New York District update its understanding of sediment dynamics, in order to support continued effective manage sediment resources on the south shore of Long Island, New York.

Objectives

- Deepen understanding of sediment dynamics and resource constraints
- Collaborate with stakeholders and NAN PDTs to support RSM

Approach

- Identify problems, needs, opportunities, constraints, and considerations
- Use GENCADE model to better understand sediment dynamics



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NAN PDT Members

- Karen Baumert
- Lynn Bocamazo, P.E., D.CE
- Frank Buonaiuto, PhD
- Stephen Couch
- Caitlin Daly
- Arun Heer, P.E., CFM
- Jodi McDonald
- Brendan Newell
- Katie Pijanowski
- Suzana Rice, P.E.
- Danielle Tommaso, CFM

Leveraging/Collaborative Opportunities

- Long Island RSM Interagency Working Group

Stakeholders/Partners

- Federal: National Oceanic and Atmospheric Administration; National Park Service; U.S. Fish and Wildlife Service; U.S. Coast Guard
- State: New York State Department of Environmental Conservation; New York State Office of Parks, Recreation and Historic Preservation; New York Sea Grant
- Local Government: Nassau County; Suffolk County; Towns of Hempstead, Babylon, Islip, Brookhaven, and Southampton
- Academic institutions: SUNY Stony Brook, Florida Institute of Technology

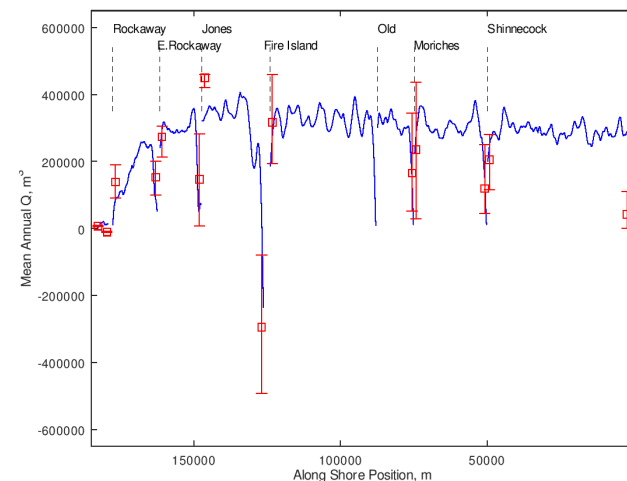
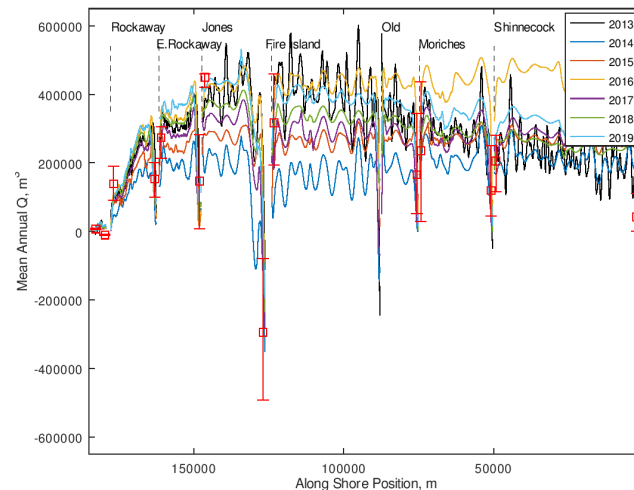
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FY20 Ongoing Work & Accomplishments

- Assessing existing and future conditions (GENCADE model), and opportunities to improve existing projects and the environment
- Recommending opportunities to improve the management of existing navigation, CSRM, and ecosystem restoration projects to reduce costs and increase benefits
- Continuing stakeholder collaboration
- Finalizing Technical Note
- Drafting Technical Report and GenCade Modeling Summary Report



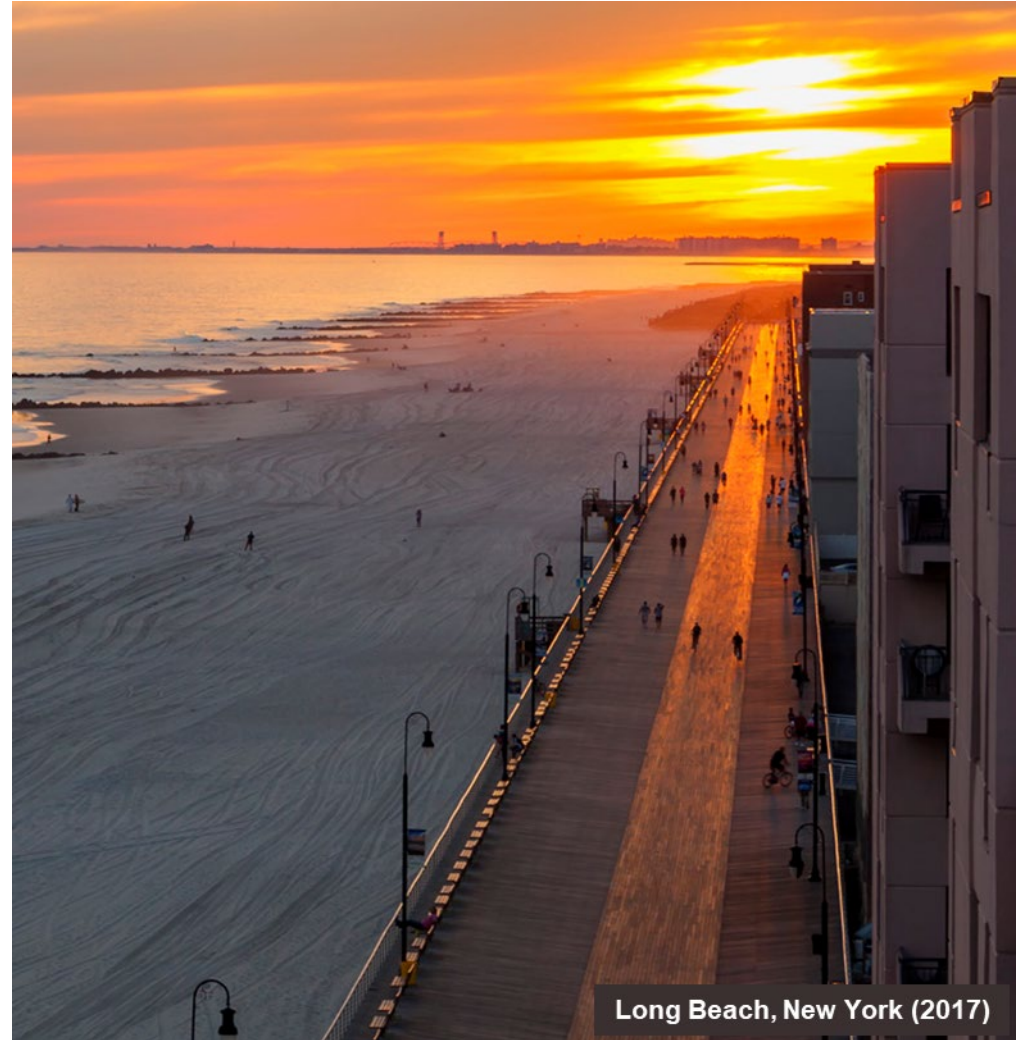
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Lessons Learned

- Ensure offices are adequately resourced
- Document work as you go
- Tap into local experts – both in the office and in your area
- Leverage virtual tools for stakeholder engagement
- Remain flexible



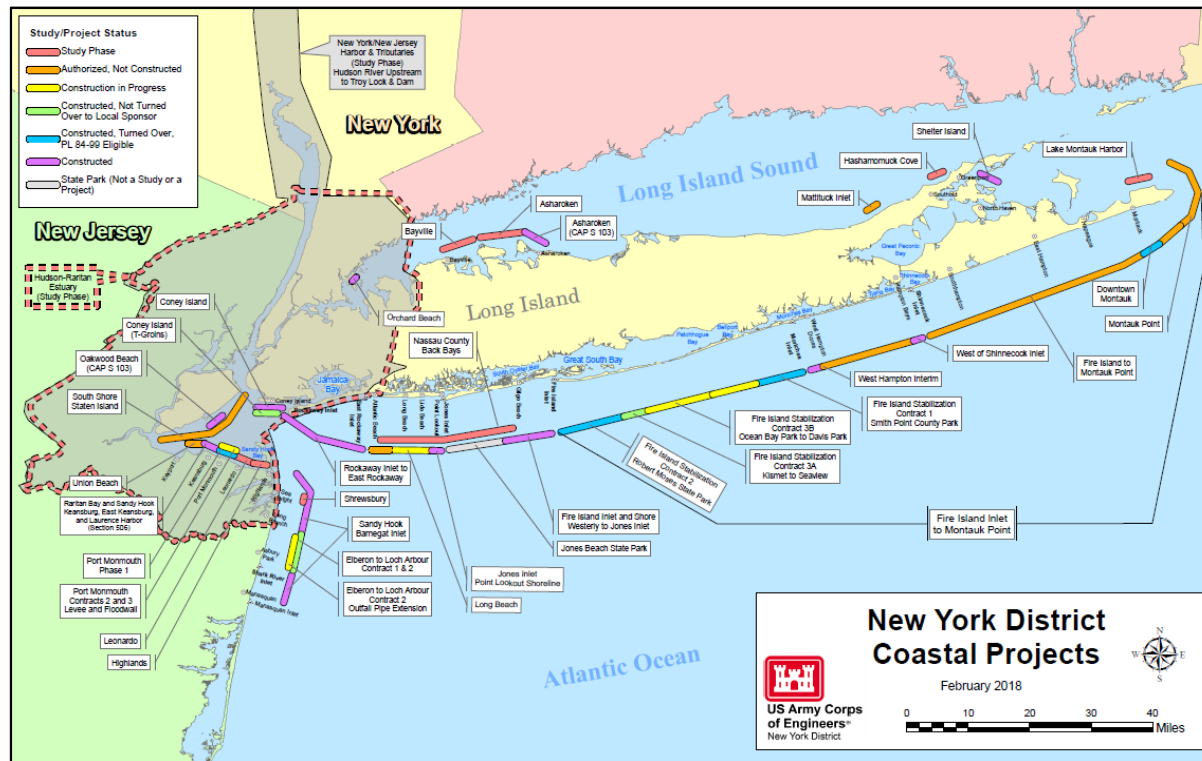


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Benefits to the Nation

- Information from the investigation will help effectively manage sediment resources for billions of dollars in constructed and planned USACE coastal projects



USACE New York District coastal projects.