

*New Jersey Department of Transportation
Office of Maritime Resources*

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New Kid On The Block

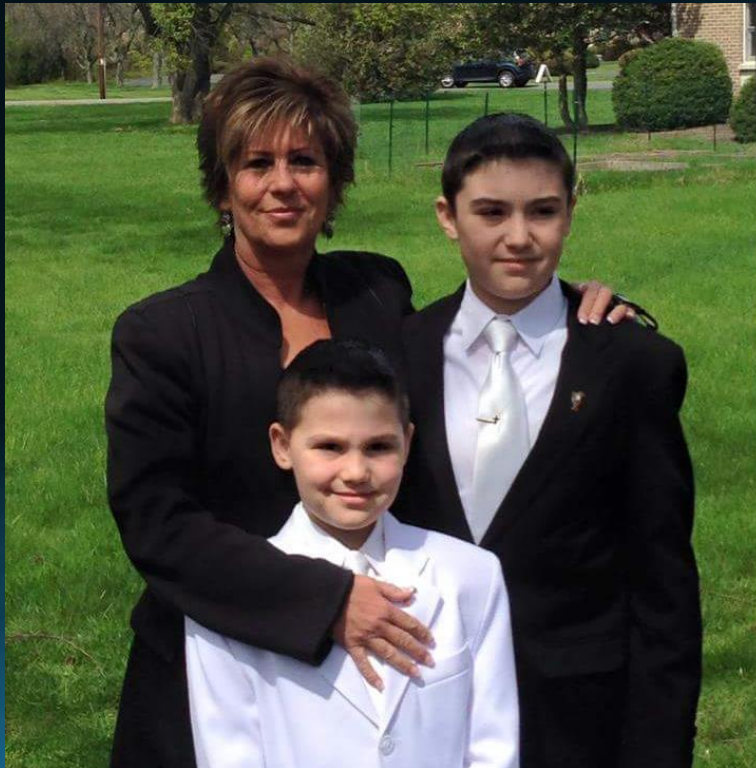


Administrative Rockstars

Carol Gaunt

Contract Administrator

Hunter of Funds



Sandy Russo

Personnel Coordinator

Chief Permit Package Organizer



Maritime Resources

- State Channel Dredging Program
- Statewide Dredged Material Management
- Science, Research and Technology
- Marine Trades Grant Programs
- Ferry Boat Program (FHWA)
- Marine Highway Development – “M-95”
- Harbor Operations & Security

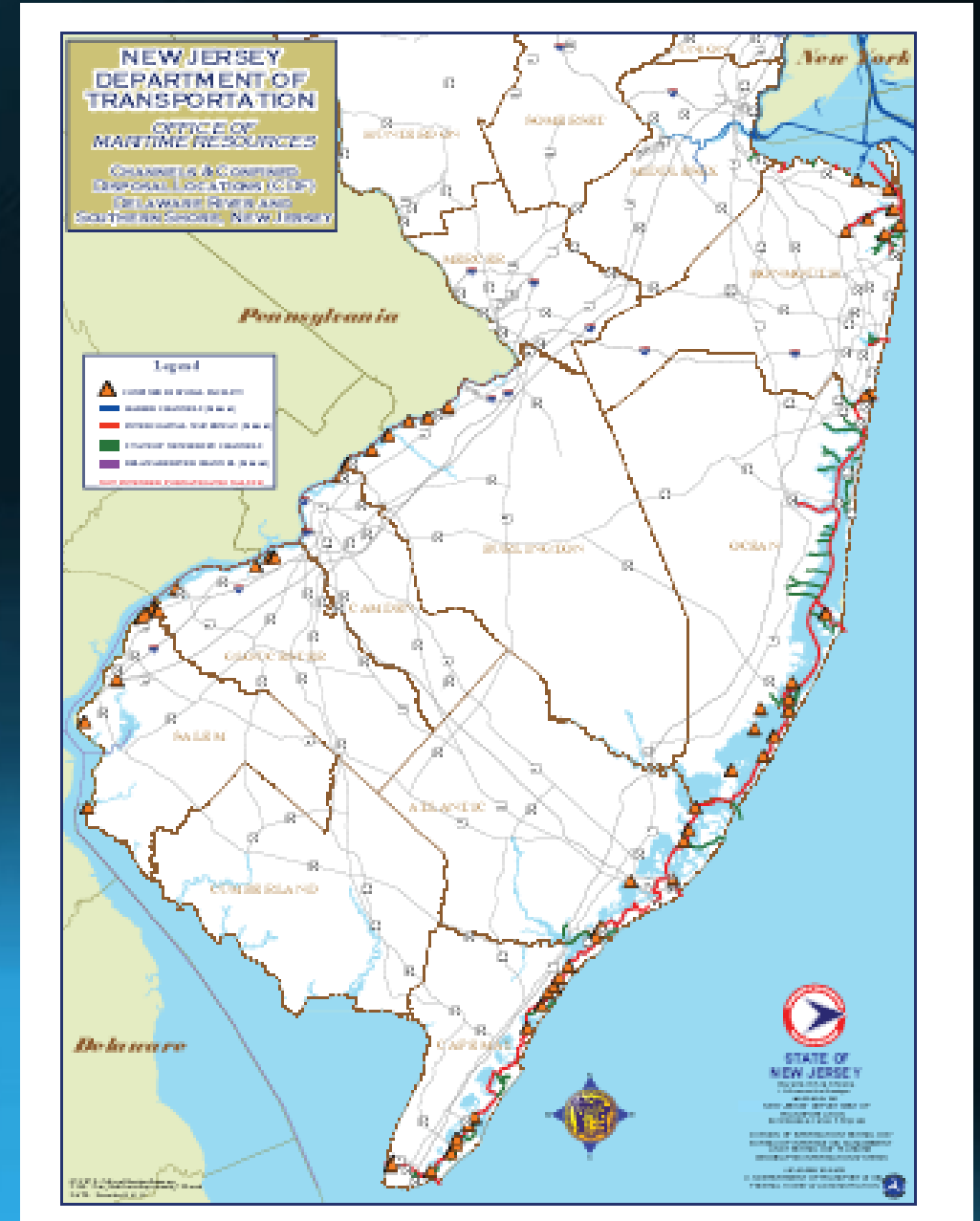
NJ's Marine Transportation System

- Freight, Ferries and Fishing
- Navigation Channels
- Ports and Terminals
- Marine Highway
- HOPS - Waterway safety and security
- Marine Trades



State Channel Dredging Program

- Construct and maintain NJ's navigation channels in a state of good repair
- Just like with the roads, the State has responsibility for State channels
- State Channel Network- 215 Marked and Identified Channels, over 200 miles
- State Channel Dredging Program – Adopted from DEP/BCE in March 2014
- Dredging/Dredged Material Management
 - Planning, Engineering, Permitting
 - USACE Capacity Requirement
- Waterway Emergency Response Program (Superstorm Sandy & Jonas)



State Channel Dredging Program

Dredging



Dredged Material Management



Dredged Material Management

- Confined Disposal
- Beach Replenishment
- Marsh Restoration
- Mechanical Dewatering
- Beneficial Use
- Regional Sediment Management
- Community based decision making & partnerships



Beneficial Use: Rt. 70/Rt. 35 Berm



Emergency Waterway Response

Super Storm Sandy

- Storm landed October 2012
- 61 Million dollars of FEMA eligible damages
- Project Worksheet 4846-for 131 State channels
- Project Worksheet 5074- Confined Disposal Facilities
- Appeal package to continue reimbursable operations

Winter Storm Jonas

- St George's Thorofare
- Spicers Creek
- Beach Creek
- Ludlam CDF
- Story Island CDF
- Parker Island CDF

Disaster Recovery



Asset Management

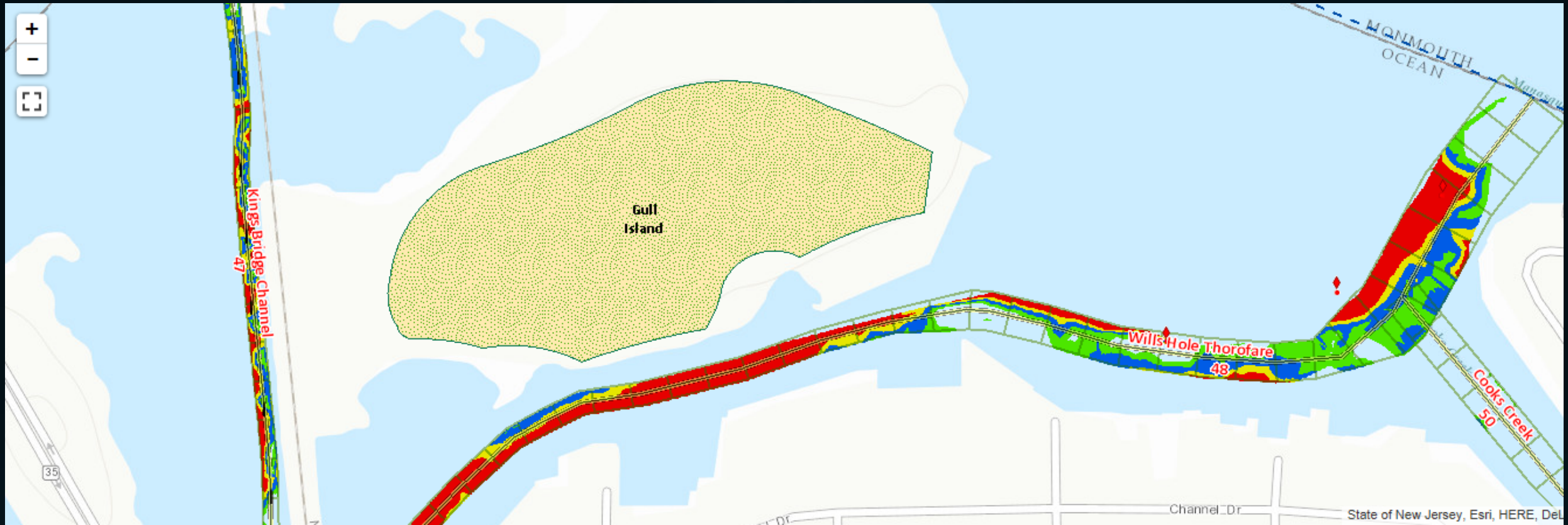
WLS

- Waterway Linear System
- “The Straight Line Diagram for channels”
- Historical Dredging Data
- Hydrographic Survey Data
- Project Updates
- Channel Condition Reports

DMMS

- Dredged Material Management System
- “The dredged material dating site”
- Sediment transport modeling
- Placement Capacity Data
- Beneficial Use Opportunities

Asset Management



Boating Infrastructure Grant (BIG)

- USDOl dedicated funding for Transient Vessels
- OMR has been really successful!
- Competitive Grants
 - Tier 1- NJ
 - Tier 2- Nationwide



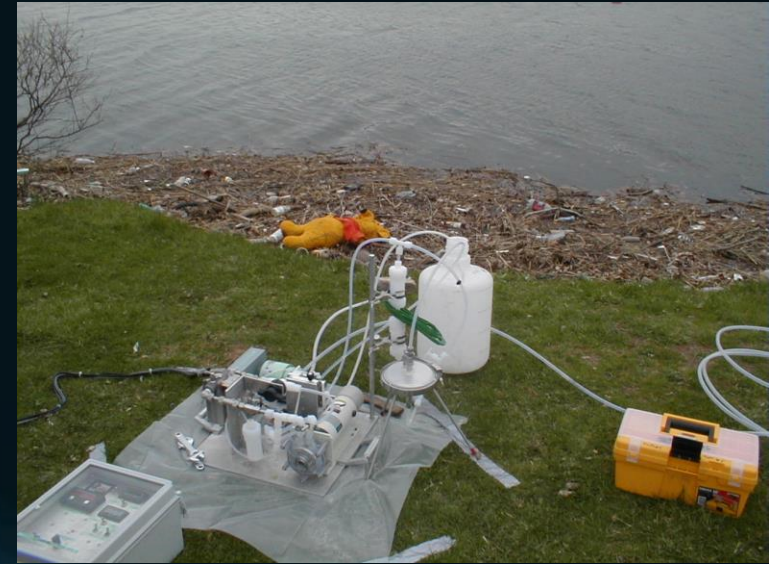
Ferry Boat Program

- FHWA funding for commuter ferry infrastructure
- Source of Funds: FBD/MAP-21/FAST Act
- Current Projects:
 - Monmouth County Bulkhead Rehabilitation (Design)
 - Cape May Lewes Ferry Bulkhead Rehabilitation (Construction)
 - Ellis Island Seawall Stabilization (Design)
 - Statue of Liberty Screening Feasibility (Design)



Research and Development

- **Vessel Count Survey** – State channel usage and vessel type
- **Contaminant Assessment and Reduction Program (CARP)** – Monitoring of contaminated sediment in NY/NJ Harbor
- **Erosion Modeling** – predicting the erosion and transport of unconsolidated sediments in estuarine systems
- **Tube Mixing** – evaluation of innovative technology to blend admixtures into soft sediments for beneficial use



Questions?

