

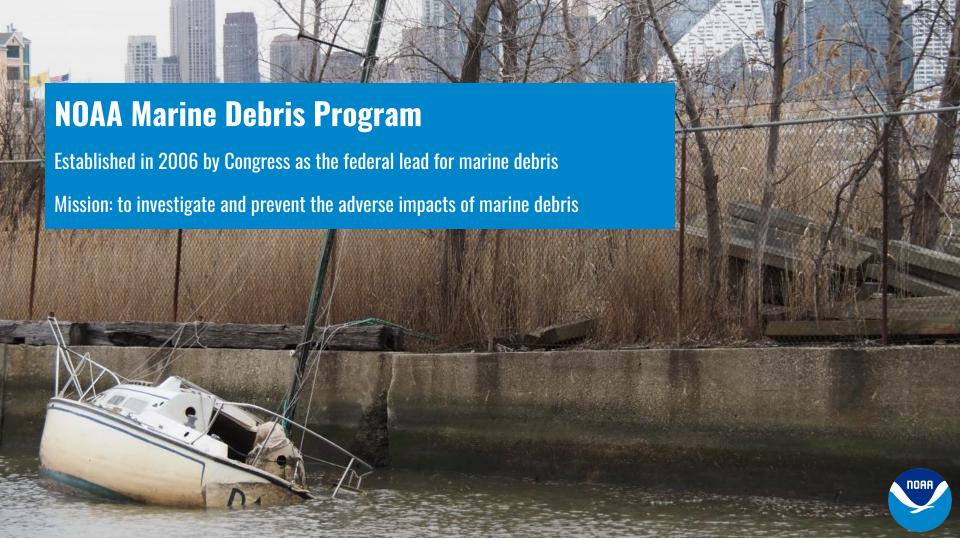
Agenda

- 1 NOAA Marine Debris Program Overview
- 2 Emergency Response Project Overview
- New York and New Jersey Guides



1 NOAA Marine Debris Program





- 1. Coordination
- 2. Removal
- 3. Research
- 4. Prevention
- 5. Monitoring and Detection
- 6. Response

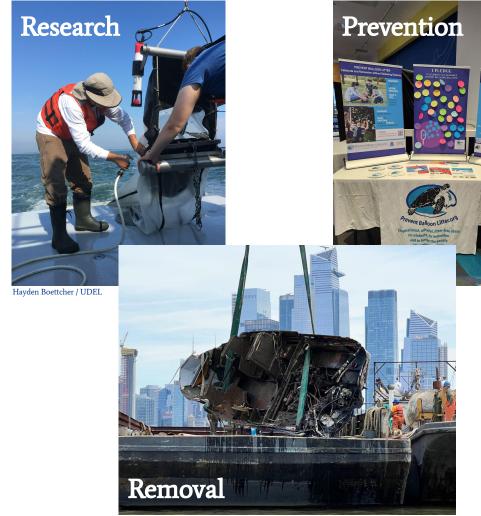


1. Coordination

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- 1. Coordination
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City of Hoboken, NJ

- 1. Coordination
- 2. Removal
- 3. Research
- 4. Prevention
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- 6. Response



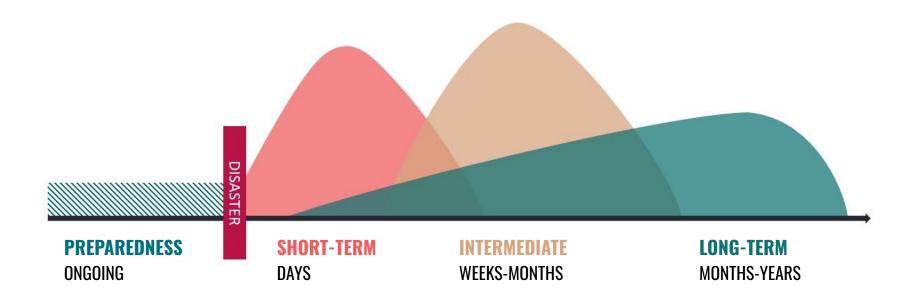
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2 Emergency Response Project Overview

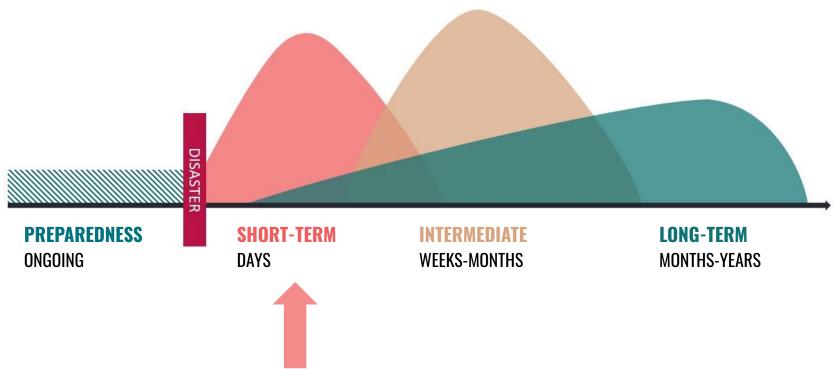


Phases of Response



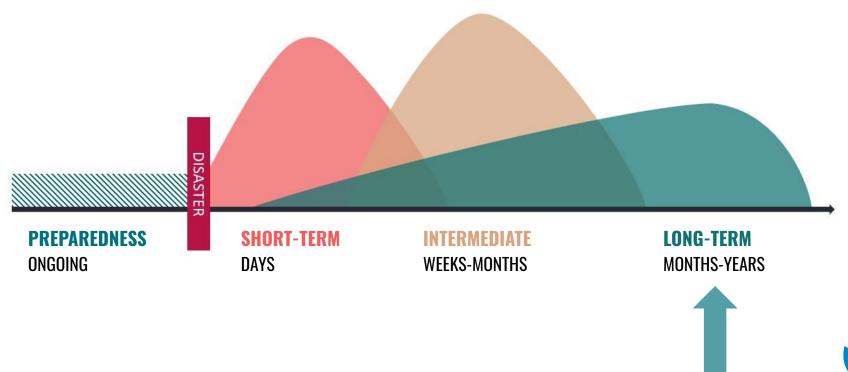


Phases of Response





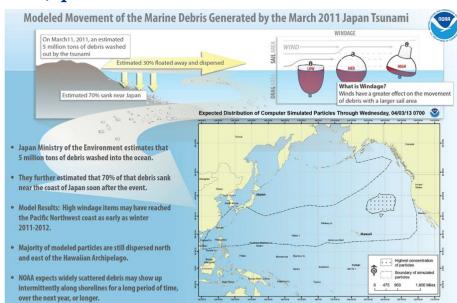
Phases of Response





Project History

2011 Japan Tsunami



NOAA used a computer model to simulate the movement of tsunami debris from March 11, 2011, to the present day. This GNOME model (General NOAA Operational Modeling Environment) simulation is based on ocean surface currents from the US Navy (the Hybrid Coordinate Ocean Model) and winds from NOAA (the NOAA blended wind product). The computer model simultaneously released 1,000 simulated particles from each of 8 locations on the Japan coastine where tsunami wave heights were 3.5 meters or greater. Particles were randomly assigned windage values from 1-5%, meaning that they were moved not only by ocean currents, but were also moved by 1-5% of wind speed in the downwind direction. The dotted black line contains 95% of all simulated particles. The cross-hatched area indicates the region of the highest concentration of simulated debris with 1% windage at the end of the simulation. For more details on this model, polses wish transmissed to the contained of the simulation. For more details on this model, polses wish transmissed to the contained of the simulation. For more details on this model, polses wish transmissed to you seen tsunami debris? Recort it to: "DisasterPobris-wish-mosa.gov."

2012 Superstorm Sandy

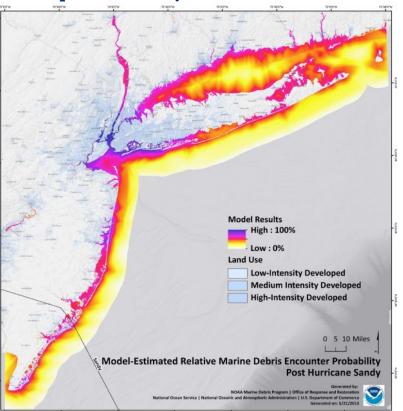


Figure1: Graphic output of a model-estimated relative marine debris encounter probability.



Improve preparedness for response to and recovery from acute marine debris incidents in coastal states





Objectives

- Develop guidance documents that facilitate action
- 2. Conduct marine debris response **exercises/drills**
- Support the integration of content into other plans and trainings

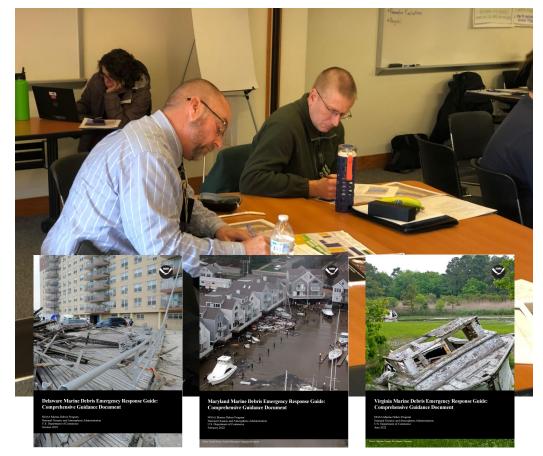


City of Mexico Beach



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Response Guide Contents and Tools



Why a Response Guide?



SINGLE LOCATION

All information is accessible in one single document



CLARIFY ROLES

Better understand organization roles and responsibilities

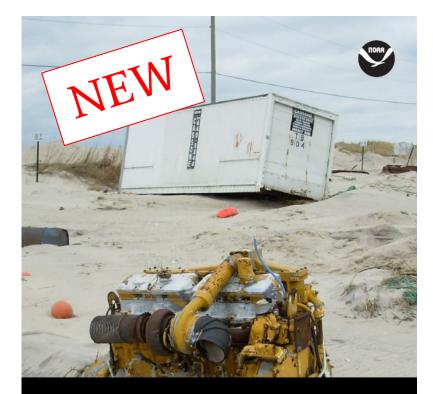


IDENTIFY GAPS

Discuss challenges and needs prior to a storm







New York Marine Debris Emergency Response Guide: Comprehensive Guidance Document

NOAA Marine Debris Program National Oceanic and Atmospheric Administration U.S. Department of Commerce Technical Memorandum NOS OR&R Marine Debris Emergency Response Guide 015a April 2023



New Jersey Marine Debris Emergency Response Guide: Comprehensive Guidance Document

NOAA Marine Debris Program National Oceanic and Atmospheric Administration U.S. Department of Commerce December 2022

Guide Scope

Focus on marine debris

- Solid material (including vegetative debris)
- Result of acute disaster / incident
- Poses a threat

Target audience: All levels of government, responders

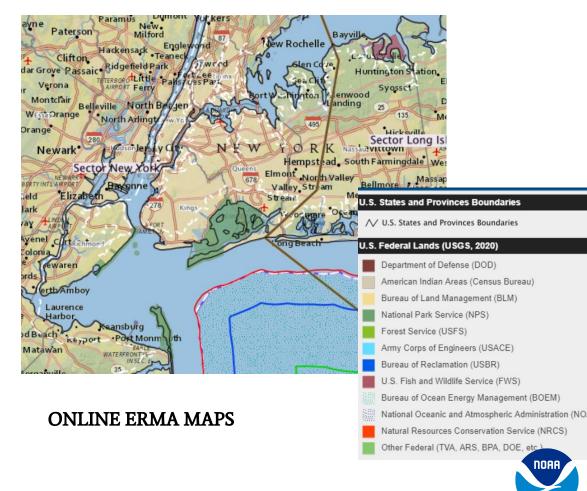


- Introduction
- Background Risk: Foreseeable Incidents and Debris Types
- Response Map
- Roles, Responsibilities, and Jurisdictions
- Permitting and Compliance Requirements
- Challenges, Needs, and Recommended Actions
- Contact Information





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4 Roles and Responsibilities

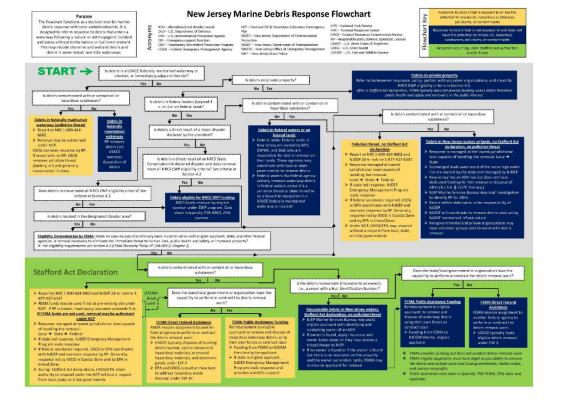
Determining responsibility for marine debris response and removal can be complicated and may involve multiple agencies and overlapping jurisdictions. The response lead may change depending on the type of incident, the magnitude of the incident, and the debris location. Generally, response to a marine debris incident in New Jersey is managed at the lowest jurisdictional level capable of handling the response and removal. Initial response operations may begin with local jurisdictions working with county or city emergency management agencies. Assistance from the state may be provided once local resources are exhausted, resources are needed that the jurisdiction does not possess, or response falls under state jurisdiction.

The Federal Government may supplement state and local response efforts when their resources have been exceeded or when unique capabilities are needed. Like the Federal Government, New lersey uses the emergency support function (ESF) concept to apply state resources and assign state agency responsibilities. ESF-3, Public Works and Engineering, to coordi New Jersey Marine Debris Response Map disposal of debris from public property and ESF-10, Hazardous Materia most commonly applied ESFs during response to a marine debris incid Local, state, and federal agency roles and responsibilities as they relate are outlined in the following sections followed by responsibilities of g organizations, and nongovernmental organizations. For a visual oneroles and responsibilities, see "New Jersey Marine Debris Response I map defining agency jurisdictional authorities, see Section 4.6. Addi information can be found in Appendix 8.1. Local Agency Responsibilities · May act as first responders to reports of coastal counties City and county emergency managemer planning, preparedness, response, and Counties and municipalities are encour management plans May remove abandoned and derelict ve accordance with the Abandoned or Sur State Agency Responsibilities New Jersey Department of Environmental · In coordination with New Jersey Depa state agency for ESF-3, Public Works Serves as the lead state agency for ES Following a Stafford Act declaration. assistance or Public Assistance reimb debris removal o Coordinates with NIOEM to r o As applicant (subgrantee), re



quantities; demonstrating the pre-disaster

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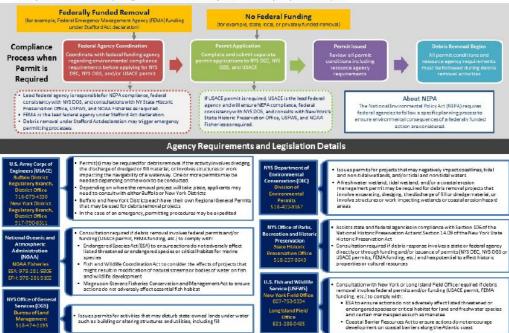




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Environmental Compliance for Marine Debris Removal in New York

- In New York, a New York State (NYS) Department of Environmental Conservation (DEC) permit, an NYS Department of General Services (OGS) permit, and/or a U.S. Army Corps of Engineers (USACE) permit may be required 11 debts removal involves excavating directing, the discharge of till or diredge material, or involves instructures or work impacting navigable waterways and wetlands or state owned lands under water. Applicants must submit application sto oil approximate the NYS Decorptment of State (DOS) for federal consistency, separations.
- The lead federal agency is responsible for compilance with National Environmental Policy Act (NEPA), DOS, and consulting with resource agencies including New York's State Historic Preservation
 Office, U.S. Fish and Wildlife Service (USFWS), and National Oceanic and Atmospheric Administration (NOAA) Fisheries as required.





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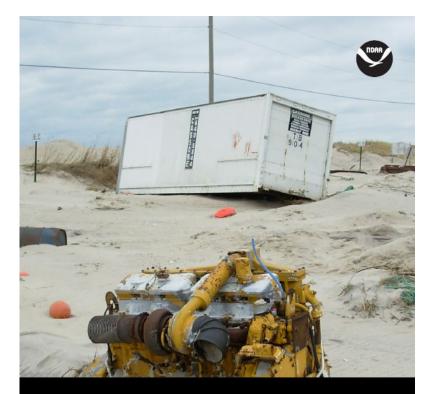












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Thank you!



