

## MEMORANDUM

From: Dewberry

On behalf of:



New Jersey Department of Environmental Protection  
Environmental Management - Assistant Commissioner's Office  
Mail Code: 401-03B  
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Trenton, NJ 08625  
(609) 292-2795 FAX: (609) 777-1330

DATE: Tuesday June 4, 2013

RE: Superstorm Sandy: State of New Jersey Waterway Debris Removal Project

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### **NORTHERN REGION:**

To Date:

- Total cubic yards of debris removed (inland): 5,633
- Total number of large debris recovered: 38 vessels
- Total cubic yards of sediment removal: 21,514
- Total verified acres surveyed by side-scan sonar: 32,302
- Estimated hydrographic survey acres: 177
- Total targets identified: 1,963 (adjusted)
- Total targets retrieved: 519 (adjusted)
- Total targets disqualified/below draft depth: 1,047

Yesterday's Operations:

- Sediment removal continued on the Hackensack Marina including River Barge Marina, and Dragonfly Marina; and in the Hudson River Edgewater Marina in Zone 1. In Zone 2 debris recovery continues in Cheesequake and Matawan Creek.

Forecasted Operations:

- Tuesday: In zone 1 units have been moved into Von Dohlen Marina in order to begin sediment removal. Sediment removal will continue in Hackensack and Hudson River marinas. Zone 2 continues to recover targets and debris in Cheesequake Creek.

- Four day outlook: In Zone 1 sediment removal will continue in Hackensack and Hudson River Marinas. Donjon is scheduled to begin sediment removal in Smith Creek later this week.

Estimated Completion Dates of Current Tasks for Northern Region as of 5/26/2013:

Northern Region	
Activity	Estimated Completion
Floating Debris Removal	Early July
Bay Debris Removal	Early August
DOT Channel Sediment Removal	Early September
Marina Debris Removal	Mid-September
Marina Sediment Removal	Mid-September

### CENTRAL REGION:

To Date:

- Total cubic yards of debris removed: 41,246
- Total large debris (vessels, cars, etc.): 72 vessels, 3 vehicles
- Total estimated Sediment removed: 5,172
- Total verified acres surveyed by side-scan sonar: 42,461
- Estimated hydrographic survey acres: 159
- Total targets identified: 2,295
- Total targets retrieved: 1,725
- Total targets disqualified/below draft depth: 252

Yesterday's Operations:

- Sediment removal continued in Zone 4, area 6. Debris and target removal crews worked at Gunning Island, in the Fairhaven and Rumson areas on the Navesink River, in the Manasquan River near the north end of Brick and Point Pleasant, and the Bayville and Drum Point area. Debris removal operations focused on removing visible and floating debris, as well as searching for submerged debris and targets in Zones 3, 4, and 7.

Forecasted Operations:

- Tuesday: Debris removal crews will continue working in the Navesink River, Gunning Island, Shark River, Manasquan River, Mantoloking, and Long Beach Island.
- Five day outlook: Target and debris recovery will continue in Zone 3 near Navesink at Black Point Creek, Oceanic Bridge, Upper Navesink River, Monmouth Beach Channel, and Rumson County Club Channel. Sediment removal to continue in Zone 4, with beach quality sand being relocated to beaches. Operations on the Shark River to end within the week.

Estimated Completion Dates of Current Tasks for Central Region as of 5/26/2013:

Central Region	
Activity	Estimated Completion
Wetland Debris Removal	Early June
Blocked Storm Water Outfall Sediment Removal	Early June
Bays and Streams Debris Removal	Early June
Island Debris Removal	Mid-June
Hydrographic Survey	Mid-June
Ocean Side Scan Sonar	Mid-June
Ocean Debris Removal	Mid-June
Marina Sediment Removal	Mid-August
Bay/Lagoon Sediment Removal	Mid-August
DOT Channel Sediment Removal	Early October

**SOUTHERN REGION:**

To Date:

- Total cubic yards of debris removed (inland): 13,565
- Total large debris (vessels, cars, etc.): 13 vessels
- Total verified acres surveyed by side-scan sonar: 42,165
- Estimated hydrographic survey acres: 177
- Total targets identified: 5,296
- Total targets retrieved: 345
- Total targets disqualified/below draft depth: 1,038

Yesterday's Operations:

- Lagoon survey of the Beach Haven West lagoons to determine status of debris including submerged claims by residents. Debris removal operations were suspended due to weather (Zone 8).
- Both land debris collection and DOT Channel target retrieval activities were suspended due to rain/wind (Zone 9).
- Two pre-loaded trucks went to land fill (86.7 CY total). All other activities were suspended due to severe weather. (Zone 10).
- Crew worked Maurice River surge line in the Heislerville area. All debris operations were suspended due to weather conditions. (Zone 11).
- Side scan sonar was conducted in Shelter Cove Marina in Tuckerton (Zone 8), and the Bay perimeter areas performing punch list areas missed (Zone 9).

Forecasted Operations:

- Tuesday, 06/04/13:
  - Land-based survey will be conducted in the Beach Haven West lagoons, and Side Scan Sonar will be performed at the Sheltered Cove Marina, Tuckerton (Zone 8).

- Surge line debris collection will be conducted at DEP Right-of-Way off of Route 9 by D&S Auto Body; Submerged Target Recovery will be conducted in Tuckerton Creek, Big Thorofare, Big Creek and Captain Mike's; and Side Scan Sonar will be conducted in the Sheltered Cove Marina (Zone 9).
- Debris removal will be conducted in the Rum Point area in and around Brigantine; and a Visual Debris Survey will be conducted in and around Brigantine (Zone 10).
- Debris crews will be working in the Patcong Creek, Tuckahoe River, Cedar Creek in Cedarville, and the Maurice River in Heislerville; and Side Scan Sonar will be conducted in the Atlantic Ocean off the coast of Cape May and the Delaware Bay.
- Four day outlook: Land-based survey will be conducted in the Beach Haven West lagoons (Zone 8). Target and debris removal in (Zone 9); visual debris survey and barge support in and around Brigantine (Zone 10); Debris collection will be conducted in the Cedar Creek near Cedarville and the Maurice River near Heislerville (Zone 11). Side scan sonar continuing in Zones 8, 9, 10 and 11.

Estimated Completion Dates of Current Tasks for Southern Region as of 5/26/2013:

Southern Region	
Activity	Estimated Completion
Marina Debris Removal	Early June
Ocean Side Scan Sonar	Mid-June
DOT Channel Debris Removal	Mid-June
Island Debris Removal	Late June
State Wildlife Management Areas Debris Removal	Late June
Marsh Debris Removal	Late June
Rivers and Streams Side Scan Sonar	Late June
Rivers and Streams Debris Removal	Mid-July
Bay Debris Removal	Late July
Bay Side Scan Sonar	Late July
Ocean Debris Removal	Early August
DOT Channel Sediment Removal	Early September
Blocked Storm Water Outfall Sediment Removal	Early September
Lagoon Sediment Removal	Mid-September
Marina Sediment Removal	Early October

Report debris at 1-877-WARN-DEP or at [waterwaydebris@dep.state.nj.us](mailto:waterwaydebris@dep.state.nj.us).

Additional information available at:  
<http://www.nj.gov/dep/special/hurricane-sandy/wwdebris.htm>

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