

## 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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DATE: Wednesday June 5, 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): 5,658
- Total number of large debris recovered: 38 Vessels
- Total verified sediment removal (total cubic yards): 22,431
- Total verified acres surveyed by side-scan sonar: 32,302
- Estimated hydrographic survey acres: 177
- Total targets identified: 1,923 (adjusted)
- Total targets retrieved: 631
- Total targets disqualified/below draft depth: 1,135

Yesterday's Operations:

- Sediment removal continued on the Hackensack River including River Barge Marina and Snipe Marina. Dragonfly Marina sediment removal has been completed. Sediment removal will also continue in Edgewater Marina. A land crew team mobilized matting to remove debris in the Cheesequake River.

Forecasted Operations:

- Wednesday: In Zone 1 units have been moved into Von Dohln Marina and are beginning sediment removal. Sediment removal will continue in Hackensack Marinas. Zone 2 continues recovery of debris in Cheesequake River.

- Four day outlook: In Zone 1 sediment removal will continue in the Hackensack and Hudson River Marinas. Donjon is scheduled to begin sediment removal in Smith Creek on Thursday and will begin sediment removal in the Shrewsbury shortly.

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: 42,043
- Total large debris (vessels, cars, etc.): 80 vessels, 3 vehicles
- Total estimated Sediment removed: 7,800
- 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. Hydrographic surveying operations continued in Zone 5, area 4.

Forecasted Operations:

- Wednesday: Debris removal crews will continue working in the Navesink River, Gunning Island, Shark River, Manasquan River, Manatoloking, 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 and screening to continue in zone 4 with beach quality sand being relocated to the 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): 13,662
- 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:

- Hand removal of debris was conducted to the surge line from marshlands, (Zone 9); and in the Patcong Creek, as well as behind Ocean City focusing on Shooting Island, the Maurice River in Heislerville, and in Cedarville, (Zone 11).
- Submerged target operations for Zone 8 were suspended due to contractor assets moving to Zone 9 priority work.
- Target and debris removal was performed in DOT Channels 163 & 164, (Zone 9); Rums Point Area in and around Brigantine Channel, (Zone 10); Patcong Creek, DOT Channel #180, and Ship Channel, (Zone 11).
- Side scan sonar was conducted in Sheltered Cove Marina in Tuckerton, grids 8-1, 8-3, 8-4 and 8-5, (Zone 8); Tuckerton Creek, Big Thorofare, Big Creek and Captain Mike's, (grids 9-9 through 9-12), (Zone 9); and off the Coast of Cape May and north from Cape May up to the Maurice River, (Zone 11).

Forecasted Operations:

- Wednesday:
  - The Zone Manager will survey Beach Haven West lagoons for debris and resident notifications, (Zone 8).
  - Hand crews removed debris to the surge line at the Right-of-Way off Rt. 9 by D&S Auto Body, (Zone 9); along Rt. 30 in Absecon, (Zone 10); and from Cedar Creek in Cedarville, and the Maurice River in Heislerville, (Zone 11).
  - Target and Debris removal will be conducted in the Bass River, (Zone 9); Rums Point area, and in and around the Brigantine Channel, (Zone 10); and Great Egg Harbor River, (DOT Channel #177), behind Ocean City concentrating on Shooting Island, South of Ocean City on the banks of the Intercostal Waterway and islands in that area, and Cedar Creek, (Zone 11).
  - Side Scan Sonar will be conducted in the Sheltered Marina in Tuckerton area, grids 8-3 and 8-6, (Zone 8); grids 9-1, 9-2, and Tuckerton Creek, Big Thorofare, Big Creek and Captain Mike's, (grids 9-9 through 9-12), (Zone 9); and off the Coast of Cape May and the Delaware Bay near Artificial Island, (Zone 11).
- Four day outlook: Land-based survey will continue in the Beach Haven West lagoons, (Zone 8). Target and debris removal in, (Zone 9); Seal Bay and Absecon, (Zone 10); Cedarville, Bay Point, Cedar Creek near Cedarville, Stratmere, and Ocean City working south, (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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