

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 19, 2013

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

~For Official Use Only~

NORTHERN REGION:

To Date:

- Total cubic yards of debris removed (inland): 5,994
- Total number of large debris recovered: 38 vessels
- Total verified sediment removal (total cubic yards): 43,291
- Total verified acres surveyed by side scan sonar: 32,302
- Estimated hydrographic survey acres: 177
- Total targets identified: 1,963
- Total targets retrieved: 631
- Total targets disqualified/below draft depth: 1,144

Yesterday's Operations:

- Sediment removal continues in Smith Creek, Von Dohln Marina, and Edgewater Marina. Debris removal was approved and side scan sonar was completed for the remaining debris in Weehawken.

Forecasted Operations:

- Wednesday: Continue sediment removal on Edgewater Marina, Von Dohln Marina, and Smith Creek Channel. Target and debris recovery in Weehawken today and tomorrow.
- Four-day outlook: In Zone 1, Sediment removal will continue in Edgewater, Von Dohln Marinas and Smith Creek. Debris removal will continue in Weehawken. Sediment

removal is expected to start in Perth Amboy Marina within the week. Sediment removal in Compton's Creek (Zone 2) is currently on hold.

Estimated Completion Dates of Current Tasks for Northern Region as of 6/13/2013:

Northern Region	
Activity	Estimated Completion
Marina Debris Removal	Late June
DOT Channel Sediment Removal	On Hold
Marina Sediment Removal	Mid-November

CENTRAL REGION:

To Date:

- Total cubic yards of debris removed: 51,947
- Total large debris (vessels, cars, etc.): 96 vessels, 3 vehicles
- Total estimated cubic yards of sediment removed: 23,120
- Total verified acres surveyed by side scan sonar: 45,848
- Estimated hydrographic survey acres: 206
- Total targets identified: 2,467
- Total targets retrieved: 1,718
- Total targets disqualified/below draft depth: 337

Yesterday's Operations:

- Debris and target removal crews worked in the Navesink River, Shrewsbury River, Manasquan River, Silver Bay and Long Beach Island (LBI). Debris removal operations focused on removing visible and floating debris, as well as searching for submerged debris and targets in Zones 3 and 4. Sediment removal operations continued in Zone 4, area 6 and Zone 4, area 5. All operations were shut down at approximately 2:30pm due to inclement weather.

Forecasted Operations:

- Wednesday: Debris removal crews will continue working in the Navesink River, Manasquan River, Shrewsbury River, Silver Bay, and Long Beach Island. Sediment removal to continue in Zone 4, areas 5 and 6 and sand screening and stockpiling activities to be resumed at Brick Beach 3.
- Five-day outlook: Target and debris recovery will continue in Zone 3 near the Rumson and Fairhaven area at Black Point Creek, Oceanic Bridge, Upper Navesink River, Monmouth Beach Channel, and Rumson County Club Channel. Debris removal operations on the Shark River to end within the week. Sediment removal to continue in Zone 4, areas 5 and 6.

Estimated Completion Dates of Current Tasks for Central Region as of 6/13/2013:

Central Region	
Activity	Estimated Completion
Bays and Streams Debris Removal	Mid-June
Island Debris Removal	Mid-June
Floating Debris Removal	Late June
Ocean Side Scan Sonar	Late June
Ocean Debris Removal	Late June
Marina Sediment Removal	Early September
Bay/Lagoon Sediment Removal	Mid-September
DOT Channel Sediment Removal	Early November

SOUTHERN REGION:

To Date:

- Total cubic yards of debris removed (inland): 16,010
- Total large debris (vessels, cars, etc.): 19 vessels
- Total verified acres surveyed by side scan sonar: 69,874
- 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:

- Inclement weather conditions suspended operations around 2:00 p.m., (Zones 8, 9, 10 and 11).
- Sediment Sampling was performed at Southwick's Marina in Long Beach Township, (Zone 8).
- Topo/survey conducted at two (2) outfalls in Beach Haven, (Zone 9).
- Scouting was performed in Tuckerton Creek, Big Creek, Big Thorofare Creek and Runabout Creek, (Zone 9); and Mullica River East, Mullica River West, and Mullica River Cove, (Zone 10).
- Surge line labor removed debris from Cedar Creek at Bay Point, and Nantuxent in Gandy's Beach, (Zone 11).
- Target and debris removal from Carroll Avenue, (Zone 9); Brigantine Channel and Absecon Bay, (Zone 10); and South Avalon, DOT Channel #199-Beach Creek 1, DOT Channel #202-West Wildwood, DOT Channel #204-Sunset Lake; Cedar Creek, and Back Creeks, (Zone 11).
- Side scan sonar was conducted in Great Egg Harbor, (Zone 11).

Forecasted Operations:

- Wednesday:
 - Hydrographic survey in Marin Max Marina, (Zone 8); and Rutgers lagoon, (Zone 9).
 - Topo/survey of two (2) outfalls in Beach Haven, (Zone 9).

- Surge line debris collection from Radio Road Bridge, (Zone 9); Rt. #30, Atlantic City, (Zone 10); and Cedar Creek at Bay Point, and Nantuxent Creek in Gandy's Beach and Money Island, (Zone 11).
- Target and debris removal from Morrison's Marina, Channel Creek, Mill Creek, Parker Run Creek, Little Egg Harbor and tributaries, and bay grid 8-1, (Zone 8); Little Tuckerton Creek, Big Creek, Big Thorofare and Runabout Creek,(Zone 9); Absecon Creek, (Zone 10); and DOT Channel # 205-Middle Thorofare, DOT Channel #206-Spicers Creek, DOT Channel #208-Schellengers Creek; south Avalon, Stone Harbor, Gandy's Beach and Money Island, (Zone 11).
- Side scan sonar will be conducted in southwestern section of bay grid 8-4, (Zone 8); Reeds Bay, (Zone 10); and Great Egg Harbor, (Zone 11).
- Four-day outlook:
 - Surge line debris collection will continue at Route #30, (Zone 10); and Cedar Creek at Bay Point and Gandy's Beach, (Zone 11).
 - Target and debris removal will continue in Morrison's Marina, Channel Creek, Mill Creek, Parker Run Creek, Little Egg Harbor and tributaries, (Zone 8); Little Tuckerton Creek, Big Creek, Big Thorofare, Runabout Creek, Sheltered Cove, Osborne Creek, (Zone 9); Reeds Creek, Absecon Creek, Rum Point, and Mullica River, (Zone 10); and Wildwood, Oyster Creek, Taylor/Jones Creek, Ruben-Warren Thorofare, Mad Horse Creek, Hope Creek, Alloway Creek and Salem River, (Zone 11).
 - Side scan sonar continuing in Zones 8, 10 and 11.

Estimated Completion Dates of Current Tasks for Southern Region as of 6/13/2013:

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

Report debris at 1-877-WARN-DEP or at waterwaydebris@dep.state.nj.us.

Additional information available at:

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

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