

USCG Incidents 2012 (Hurricane Sandy)

Cornell Rosiu
Incident Management Branch
First Coast Guard District (Boston, MA)

Joint Response Team Meeting
USCG Base Boston (Boston, MA)
22-Jan-2013



United States Coast Guard
U.S. Department of Homeland Security



Mon 29-Oct-2013

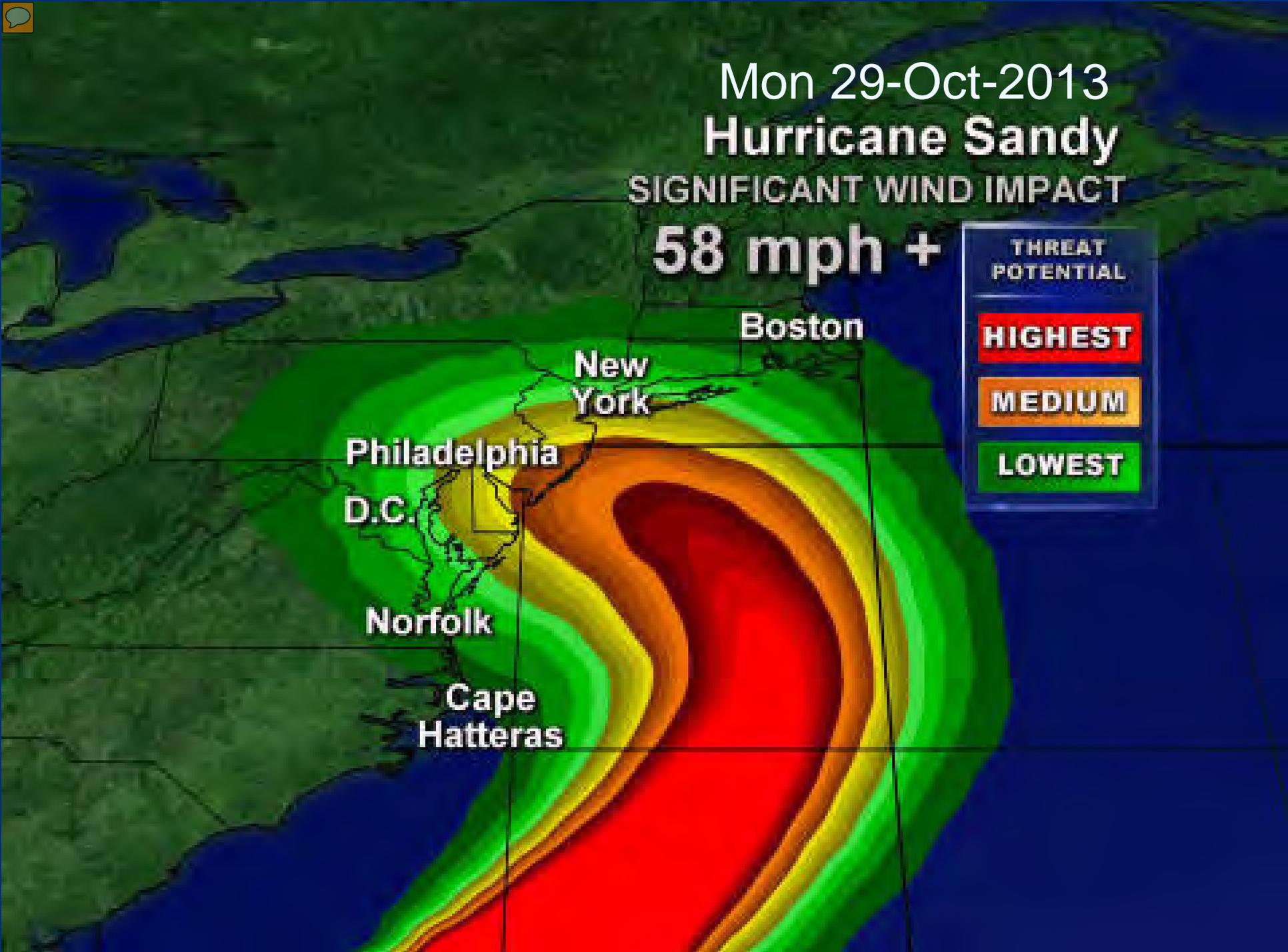
Hurricane Sandy

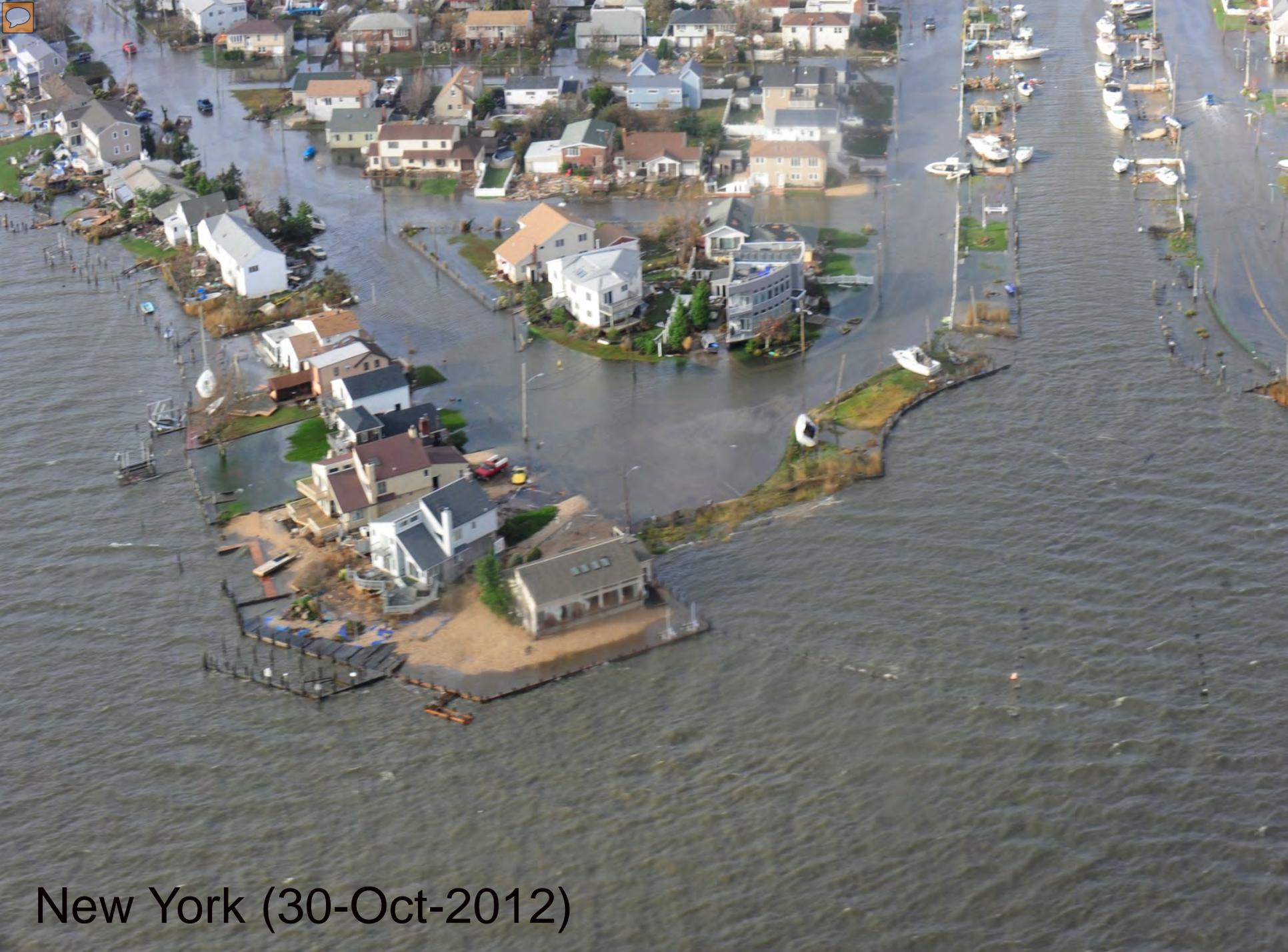
SIGNIFICANT WIND IMPACT

58 mph +

THREAT POTENTIAL

- HIGHEST
- MEDIUM
- LOWEST





New York (30-Oct-2012)



Northern New Jersey (31-Oct-2012)

Navesink







NOV 1 2012

Grounded Tanker



Dewatering NYC Tunnels and Subways



WARNING
US Coast Guard
Restricted Area
25 Yd Security Zone
25 CFR 165.104(a)(1)
Shooting or Littering Prohibited
Violators can be fined \$50,000
or imprisoned for up to 6 months.



Brooklyn Tunnel



CCN-150 Pump

Hurricane Sandy ESF-10, Chronology 2012

28-Oct: USCG Oil-HazMat desk stood up (ESF-10)

FEMA2-RRCC (NWS Earle, NJ) D1-IMT (Boston, MA)

29-Oct: Hurricane Sandy makes landfall 21:00 (Mon.)

30-Oct: Notifications and ESF-10 Response begins

Kinder Morgan Spill (Carteret, NJ) Motiva Facility Spill (Sewaren, NJ)

20-story Res Bldg (Manhattan, NY) Phillips 66 Facility (Linden, NJ)

3 schools heating oil (Queens, NY) M/V JOHN B. CADDELL (Staten Island, NY)

Declaration: New York (7 counties) Declaration: New Jersey (9 counties)

JFO (W. Trenton, NJ; Queens, NY) Incident Command Post (Staten Island, NY)

14-Dec: Moved ICP to Sec NY and recovery begins

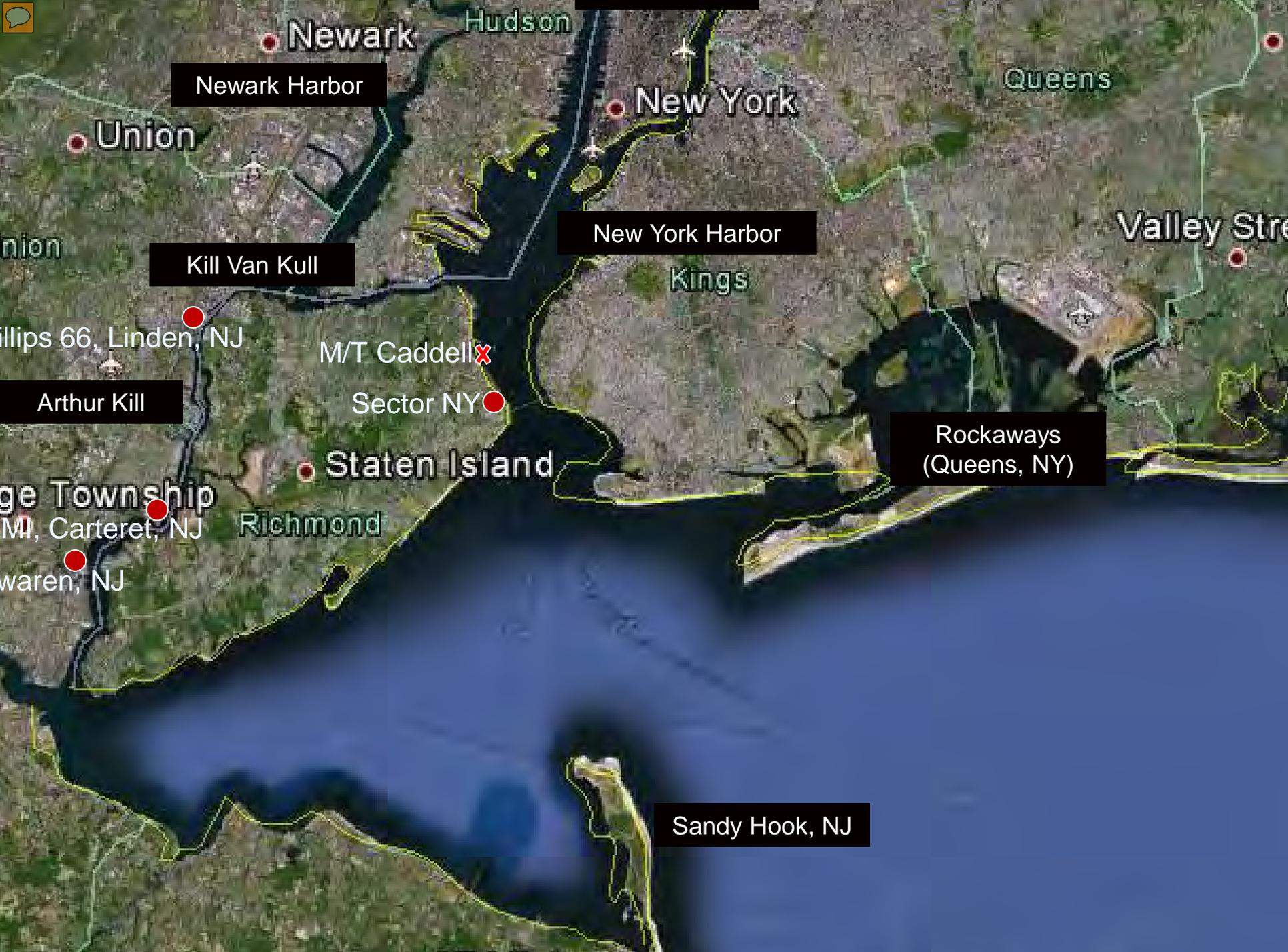


United States Coast Guard
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USCG Incident Command Post (Staten Island, NY)





Newark Harbor

Newark

New York Harbor

New York

Kill Van Kull

Arthur Kill

M/T Caddell

Sector NY

Staten Island

Rockaways
(Queens, NY)

Sandy Hook, NJ

Linden, NJ

Carteret, NJ

Warren, NJ

Richmond

Hudson

Queens

Kings

Valley Street



Motiva





Phillips 66



Kinder Morgan



Phillips 66



Motiva





Responders and Coast Guard Petty Officer 1st Class Michael Shannon with the Pacific Strike Team rescue an oiled bird at the Sewaren boat ramp near the Motiva Terminal facility in Sewaren, N.J., Nov. 2, 2012 during cleanup operations.

Summary of Major Spills, NJ and NY

MAJOR OIL SPILL AND RECOVERY AMOUNTS

Operational Periods: 11/06/2012 to 12/14/2012

Major Facility	Complete (%)	Potential Max. Spilled (Gal.)	Total Recovered (Oil + Water, Gal.)	Estimated Oil Recovered (Post-decant, Gal.)
Motiva	100	400,000	457,519	162,900
Kinder Morgan	100	9,996	1,279,992	N/A
Phillips 66	100	7,770	5,922	N/A
School Q410	100	14,250	6,691	N/A
School Q105	100	10,125	9,716	N/A
School Q207	100	8,200	8,498	N/A
M/V Caddell	100	N/A	8,000	N/A
Total			1,776,338	

Notes: Schools: Q410 (Beach Channel High School), Q105 (Bay School) and Q207 (Rockwood Park School) Queens, NY. M/V Caddell oil recovered from engine room. "N/A" = not available.



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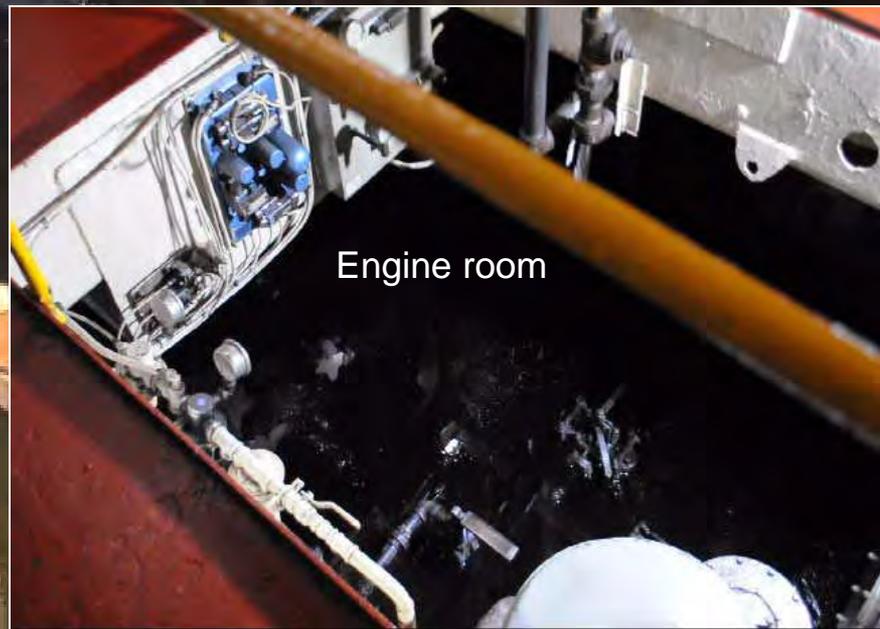


M/T JOHN B. CADDELL



USCG Ground Survey Team 7
Hurricane Sandy 9

M/V CADDELL two dozen holes welded closed



Engine room

N 40° 37.390'
W 074° 04.270'



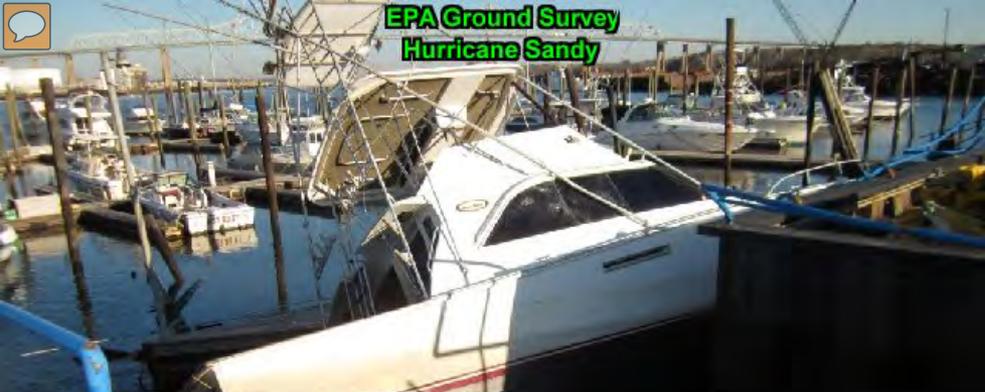
M/V CADDELL engine room after repeated application of solidifier (CI Agent™)



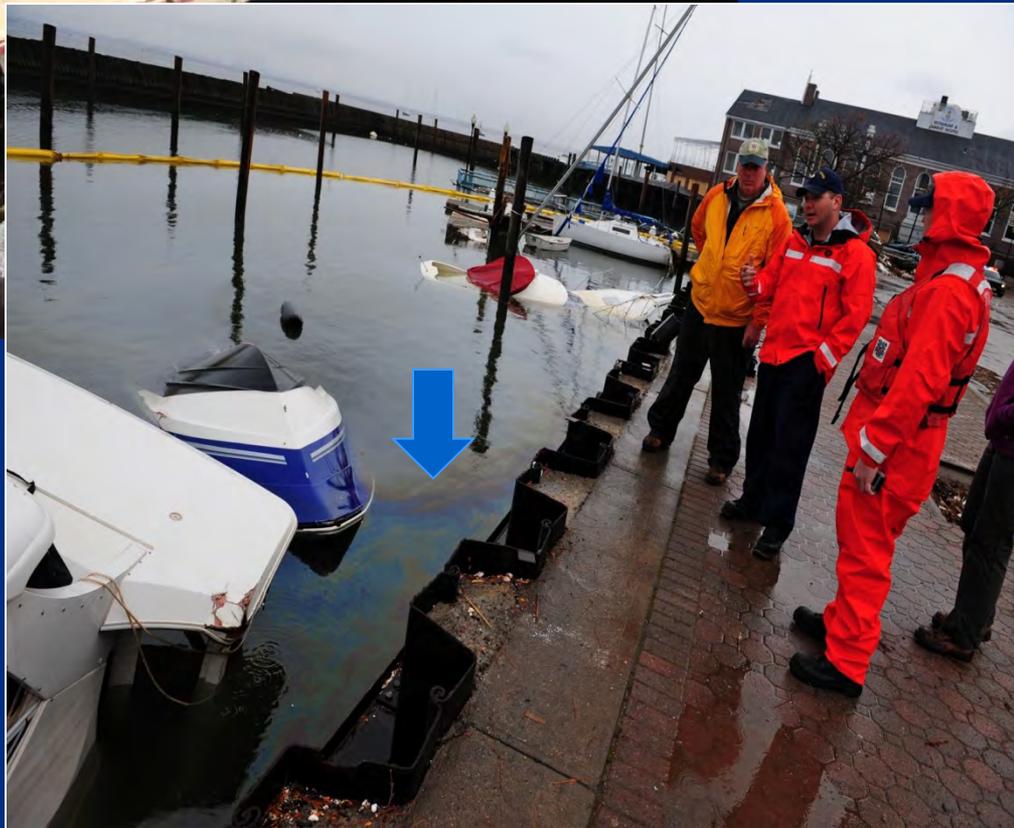
Float test and hip tow to salvage facility



M/T CADDELL lifted by the Chesapeake 1000
at 05:30 on Mon 10-JAN-2012



N 40° 30.970'
W 074° 14.905'



USCG Ground Survey
Hurricane Sandy



United States Coast Guard
U.S. Department of Homeland Security

N 40° 22.730'
W 074° 01.770'

11/18/2012



EPA Ground Survey Hurricane Sandy



N 40° 32.614'
W 074° 08.503'



EPA Ground Survey Hurricane Sandy

N 40° 32.603'
W 074° 08.337'

11/19/2012
7:00:00 PM



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Summary of Marina Cleanups, NJ and NY

MARINA ASSOCIATED OIL AND WASTE MONITORING AND CLEANUP					
Operational Periods through 12/14/2012					
Material Type	Number of Targets	# Assessed	# Mitigated	# No Further Action	# Complete
Vessels	439	0	0	177	262
Vehicles	3	0	0	2	1
Large Tanks	6	0	0	1	5
Small Tanks	3	0	0	0	3
Drums	60	0	0	8	52
Pails	18	0	0	5	13
Containers	11	0	0	2	9
Cylinders	14	0	0	1	13
Other	5	0	0	4	1
TOTAL	559	0	0	200	359

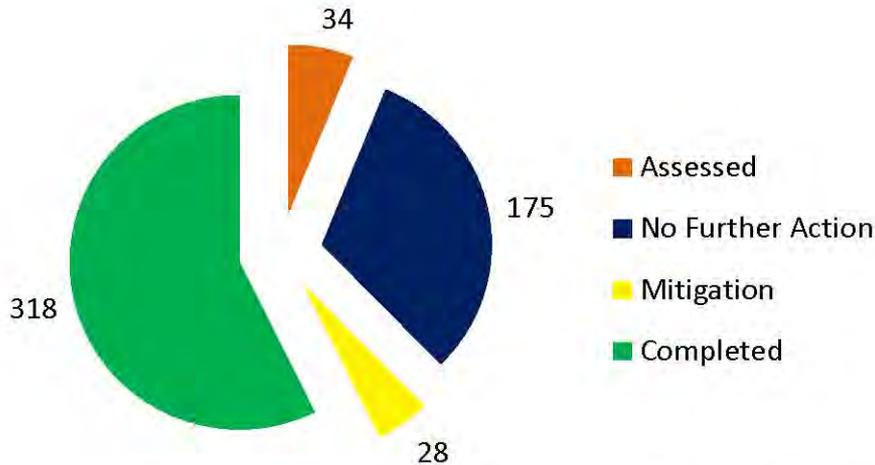


Metrics updated 12/5/12

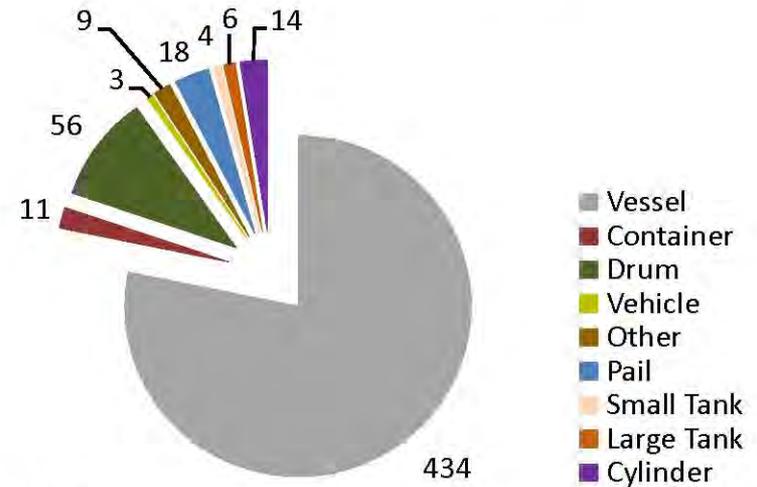
Total # of Identified Sites: 555

Total # of Completed Sites: 319

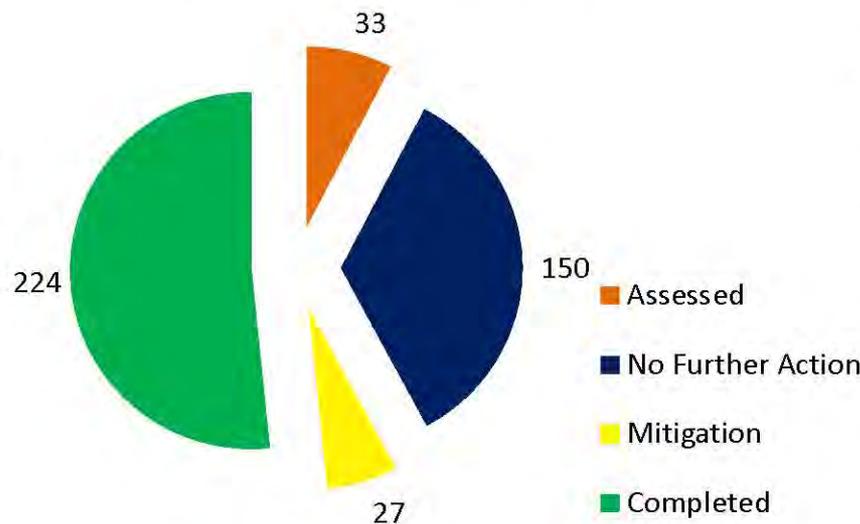
All Identified Sites by Status



All Identified Sites by Type



Vessels Identified by Status



Description of Status:

Assessed: field teams locate and identify potential pollution and debris hazards.

Mitigation: active remediation of identified hazards.

Completed: mitigation efforts are finished and site is fully remediated.

No Further Action: site was determined not to need any remediation.

Description of Types:

Vessels: any craft with motor and fuel tank. Length varies from 10' to 185'.

Container: 20' or 40' intermodal container.

Drum: 35 to 85 gallon metal or polypropylene drums.

Vehicle: vehicles with motor and fuel tank.

Other: debris including various tanks, oily debris, gas cans, etc.

Pail: 1 to 34 gallon container.

Small Tank: 85 to 249 gallon container.

Large Tank: 250 to 3,000 gallon container

Cylinder: Pressurized tank

USCGC Station Sandy Hook (NJ)

47s AFTERWARD



BEFORE



USCG Sector New York EARLY EVENING LANDFALL



NEXT DAY



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U.S. Department of Homeland Security





Questions?



CGC Spencer arrives in NYC