

**REPORT OF CHANNEL CONDITIONS
400 FEET WIDE OR GREATER
(ER 1130-2-306)**

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DATE June 22, 2004

TO: The Record

FROM: U.S. Army Corps of Engineers
26 Federal Plaza, ATTN: CENAN-OP-ST
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:
Newark Bay, Hackensack and Passaic Rivers Main Channel, NJ

**MINIMUM DEPTHS IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	LEFT INSIDE QUARTER (feet)	RIGHT INSIDE QUARTER (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)				
Reach A: South Reach. Commences from 0.6 miles (Red NUN #8) to 1.5 miles (Red GAS #10).	Map 867 Sheets 2 thru 3, 02-09 March 2004.	Irregular	1.3	40	45.7	46.5	45.9	45.9
Reach B: Middle Reach. Commences from 1.5 miles (Red GAS #10) to 3.0 miles (Red NUN #18).	Map 867 Sheet 3, 02-09 Mar., & 4 thru 5, 02-19 Mar., 2004	Irregular	1.3	40	38.4	38.6	34.6	30.2
Reach C: North Reach. Commences from 3.0 miles (Red NUN #18) to 4.7 miles (0.3 miles North of Red NUN #24).	Map 867 Sheets 5 thru 8, 02-19 March, 2004	Irregular	1.5	35	17.6	24.3	19.7	8.9

REMARKS:

- All depths in MLW
- Channel length is in nautical miles.
- Reach A is well under the project depth of 40 ft. Shoaling has developed in the right outside quarter of Reach B from just south of Buoy #16, stretching north to Buoy #18. This shoaling continues north through Reach C, becoming more minor until the Conrail Rail Bridge, where significant shoaling has occurred in both right quarters and the left outside quarter to a depth of 17.6 ft. The shoaling becomes even more significant in all quarters north of Buoy #24.