

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE  
(ER 1130-2-306)**

**PAGE** 1 **OF** 1

**DATE** June 16, 2008

**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 – Hackensack River, New Jersey

**MINIMUM DEPTHS IN  
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (nmiles)	DEPTH (feet)			
<b>Reach A (Droyers Reach):</b> From junction between Hackensack and Passaic River approximately 140 feet seaward of RED #2 to Lincoln Highway approximately 4,300 feet seaward of GREEN CAN #11.	Map 204 Pg 2, 3, & 4 of 8; 30 Apr; 1, 5 thru 7, & 9 May 2008	300 - 500	1.56	32*	24.9	23.8	17.5
<b>Reach B (Marion Reach):</b> From Lincoln Highway approximately 4,200 feet seaward of GREEN CAN #11 to the beginning of the Turning Basin approximately 1,500 feet seaward of GREEN CAN #13.	Map 204 Pg 4 thru 7 of 8; 30 Apr; 1, 5 thru 7, & 9 May 2008	300 - 370	1.82	32*	24.1	25.2	21.1
<b>Reach C (Turning Basin):</b> From the beginning of the turning basin at a point approximately 1,500 feet seaward of GREEN CAN #13 to the end of the turning basin at a point approximately 70 feet seaward of GREEN CAN #13.	Map 204 Pg 7 & 8 of 8; 30 Apr; 1, 5 thru 7, & 9 May 2008	Irregular	0.23	25	15.4		
<b>Partial Reach D (Route #3 Highway):</b> From a point approximately 70 feet seaward of GREEN CAN #13 at the end of the turning basin to a point approximately 760 feet landward of GREEN CAN #15.	Map 204 Pg 8 of 8; 30 Apr; 1, 5 thru 7, & 9 May 2008	200	0.34	15**	13.4	13.9	15.2

**REMARKS:**

- All depths in MLW.
- Channel length is in nautical miles.

**HACKENSACK RIVER:**

- **Reach A:** Shoaling exists in portions of the channel throughout this entire reach. In various areas of the reach, there is shoaling across the entire width of the channel. Project depth is however available from RED #2 to GREEN LIGHTED DAY BEACON #5 in an irregular passageway with at least a 120 foot width along the Left Outside Quarter and Middle Half of the channel.
- **Reach B:** Shoaling exists in portions of the channel throughout much of this reach. In some areas of the reach shoaling exists across the entire width of the channel. Project depth is, however, available from approximately 1,130 feet landward of GREEN CAN #11 to approximately 2,550 feet landward of GREEN CAN #11 across the entire width of the channel. Project depth is also available for an approximate 2,000 foot length of the Middle Half of the channel at the most landward end of this reach.
- **Reach C:** Shoaling exists in the upper left portion (furthest west) of the turning basin beginning approximately 690 feet seaward of GREEN CAN #13 and continuing to the end of the reach. Also, a shoal with a maximum approximate width of 60 feet exists in the upper right corner (furthest north) of the turning basin adjacent to RED #12.
- **Partial Reach D:** Shoaling exists along the Left Outside Quarter, as well as the Middle Half, of this partial reach beginning approximately 370 feet landward from the start of the reach, and extends landward for approximately 1,280 feet.

\* Reaches A & B were never completed to a 32 foot depth. Previous dredging was to 30 feet only.

\*\* Reach D was never completed to a 15 foot depth. Previous dredging was to 12 feet only.