

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-3165)**

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DATE March 6, 2002

TO: Commander, First Coast Guard District
408 Atlantic Ave
Boston, MA 02110-2290

FROM: U.S. Army Corps of Engineers
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New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:
Hackensack River Channel of Newark Bay Hackensack and
Passaic Rivers

**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 (miles)	DEPTH (feet)			
1. REACH A (DROYERS REACH): FROM NEWARK BAY TO LINCOLN HWY BRIDGE	12/9/01	400/300	1.79	32	25.1	25.2	18.8
2. REACH B (MARION REACH): FROM LINCOLN HWY BRIDGE TO A POINT 2000 FT UPSTREAM FROM THE DL & W. R.R.BRIDGE	12/9/01	300	2.07	32	26.3	25.9	22.1
3. REACH C (TURNING BASIN): A POINT 2000 FT UPSTREAM FROM THE DL & W. R.R.BRIDGE TO "GREEN CAN #13 EBB TIDE"	12/9/01	300/850	0.28	25	15.4	22.6	23.4
4. REACH D (ROUTE #3 HWY REACH): SURVEY DATA AVAILABLE ONLY FROM "GREEN CAN #13 EBB TIDE" TO A POINT 2,025 FT UPSTREAM	12/9/01	200	0.39	15	12.9	13.7	15.1

REMARKS (Continue on reverse)

- All depths in MLW
- Reach A: Shoaling occupies half of the channel width of the first 3,300ft of this reach and the full channel width for the remaining reach.
- Reach B: Shoaling occupies the entire width from the end of Reach A up to 1,000 ft above GREEN CAN #11 buoy more than 80% channel width is to project depth for the remaining length.
- Reach C: Shoaling reduces the effective width of the Turning Basin to 500 ft (from 850 ft) at the westerly end.
- Reach D: Shoaling reduces the effective width of the first 2,025 ft to ¼ of channel. Survey data are not available for the rest of Reach D and the other upstream reaches E, F, G.