

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

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DATE 13 August 2012

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 – Passaic 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)			
Reach A: Kearny Pt. Reach Begins at the junction between the Hackensack and Passaic Rivers at a point approximately 400 feet seaward of JUNCTION BEACON "NB" to a point approximately 1,900 feet landward of RED NUN #4.	Map 932 Pg 1 - 2 of 14; 11-12, 16-18, 23 & 26 April, 8 May & 7 June 2012	300	1.00	30	14.6	13.4	9.3
Reach B: Point No Point Reach From a point approximately 1,900 feet landward of RED NUN #4 to a point approximately 1,000 feet seaward of the NEW JERSEY TURNPIKE BRIDGE.	Map 932 Pg 2 - 5 of 14; 11-12, 16-18, 23 & 26 April, 8 May & 7 June 2012	300 - 345	1.13	30	1.1	5.8	9.9
Reach C: Harrison Reach From a point approximately 1,000 feet seaward of the NEW JERSEY TURNPIKE BRIDGE to a point at JACKSON ST BRIDGE in Harrison, NJ.	Map 932 Pg 5 - 8 of 14; 11-12, 16-18, 23 & 26 April, 8 May & 7 June 2012	300 - 390	1.87	20	2.5**	5.4	2.6
Reach D: Newark Reach From a point at JACKSON ST BRIDGE in Harrison, NJ to a point at CLAY ST BRIDGE in Newark, NJ.	Map 932 Pg 8 - 11 of 14; 11-12, 16- 18, 23 & 26 April, 8 May & 7 June 2012	200 - 300	1.28	20*	0.8	7.9	+0.2
Reach E: Kearny Reach From a point at CLAY ST BRIDGE in Newark, NJ to a point where the river narrows to 200 feet wide and the project depth becomes 16 feet.	Map 932 Pg 11 - 13 of 14; 11-12, 16- 18, 23 & 26 April, 8 May & 7 June 2012	300	0.85	20*	0.0	8.1	0.0
Reach F: Arlington Reach From a point where the river narrows to 200 feet wide and the project depth becomes 16 feet to a point at the E.R.R. BRIDGE in Arlington, NJ where the project depth becomes 10 feet.	Map 932 Pg 13 -14 of 14; 11-12, 16- 18, 23 & 26 April, 8 May & 7 June 2012	200 – 250	0.89	16	3.1	9.2	2.5
Partial Reach G: Belleville Reach From a point at the E.R.R. BRIDGE in Arlington, NJ to a point approximately 900 feet landward of the start of this Partial Reach G.	Map 932 Pg 14 of 14; 11-12, 16-18, 23 & 26 April, 8 May & 7 June 2012	235 – 205	0.15	10	0.7	4.5	8.7

REMARKS:

- All depths in Mean Lower Low Water (MLLW).
- Channel length is in nautical miles.
- * Reaches D & E were never completed to a 20 foot depth. Previous dredging was to 16 feet only.
- ** In the Left Outside Quarter there is a gap in data beginning approximately 2,780 feet landward from the start of the reach and extends approximately 560 feet landward with a maximum width of approximately 50 feet.

PASSAIC RIVER

- **All Reaches:** Shoaling occupies the entire length and width of all channel reaches described above. Authorized project depths are available only in a few isolated areas.