

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

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DATE May 14, 2007

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:
New York & New Jersey Channels Constable Hook Reach to Elizabeth Port Reach

**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)				
ARTHUR KILL								
Gulf Port Reach (Partial) Commencing from 650 ft south of Goethals Bridge to 700 feet North of Staten Island Rail Road	Map 1288, Pg 14 thru 15 of 15: 17,19,22,23 29,31 Jan; 6 Feb; 1,6 19,26,30 Mar; 2,3 Apr 2007	500 – 600	0.35	35	34.8	37.2	37.6	28.1
Elizabeth Port Reach From a point 700 feet North of Staten Island Rail Road to 1,475 feet West of BEACON #18	Map 1288, Pg 13 thru 14 of 15: 17,19,22,23 29,31 Jan; 6 Feb; 1,6 19,26,30 Mar; 2,3 Apr 2007	500 – 600	0.93	41	43.0	43.5	43.2	41.8
KVK								
North of Shooters Island Reach From a point 1,475 feet West of BEACON #18 to 1,750 feet East of RED Lighted #16A	Map 1288, Pg 11 thru 13 of 15: 17,19,22,23 29,31 Jan; 6 Feb; 1,6 19,26,30 Mar; 2,3 Apr 2007	600	1.02	41	42.2	42.9	41.6	41.3
Bergen Point West Reach From a point 1,750 feet East of Red Lighted #16A to a point 150 feet West of GREEN Lighted #9A	Map 1288, Pg 9 thru 10 of 15: 17,19,22,23 29,31 Jan; 6 Feb; 1,6 19,26,30 Mar; 2,3 Apr 2007	800 – 1,150	1.13	45	51.2	51.7	52.0	52.4
Bergen Point East Reach From a point 150 feet West of GREEN Lighted #9A to a point 1,750 ft West of GREEN GAS #9	Map 1288, Pg 7 thru 8 of 15: 17,19,22,23,29 31 Jan; 6 Feb; 1,6,19 26,30 Mar; 2,3 Apr 2007	800	0.92	45	52.0	52.1	51.6	49.2
Constable Hook Reach From a point 1,750 feet West of GREEN Lighted #9 to a point 3,100 ft East of GREEN Lighted #1	Map 1288, Pg 2 thru 7 of 15: 17,19,22,23,29 31 Jan; 6 Feb; 1,6,19 26,30 Mar; 2,3 Apr 2007	800 – 1,400	2.50	45	45.4	46.3	45.6	39.1

REMARKS:

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

ARTHUR KILL

- **Gulf Port Reach:** Some shoaling exists along the right and left channel toe line in the vicinity of the Goethals Bridge and Staten Island Rail Road Crossing, with minimal depth of 28.1 feet and 34.8 feet respectively.
- **Elizabeth Port Reach:** Channel is below the authorized project depth of 41 feet.

KVK

- **North of Shooters Island Reach:** Channel is below the authorized project depth of 41 feet.
- **Bergen Point West Reach:** Channel is well below the authorized project depth of 45 feet.
- **Bergen Point East Reach:** Channel is well below the authorized project depth of 45 feet.
- **Constable Hook Reach:** Shoaling exists along the right outer portion of the channel from point about 400 feet East of GREEN Lighted #1 to a point about 600 West GREEN Lighted #5 with minimal depth of 39.1 feet along the channel toe line.