

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

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DATE 22 August 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: New York and New Jersey Channels,
Gulfport Reach to Constable Hook 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 130 ft south of Goethals Bridge to 800 feet North of Staten Island Rail Road	Map 1301, Pg 14 thru 15 of 15; April, May & June 2008	500 - 600	0.27	35	34.8	37.1	37.6	33.9
Elizabeth Port Reach: From a point 800 feet North of Staten Island Rail Road to 1,490 feet West of BEACON #18	Map 1301, Pg 13 thru 14 of 15; April, May & June 2008	600 - 800	0.87	35	42.6	43.1	43.8	42.0
North of Shooters Island Reach: From a point 1,490 feet west of BEACON #18 to 1,950 feet west of GREEN LIGHTED #17	Map 1301, Pg 11 thru 13 of 15; April, May & June 2008	600	1.04	35	42.1	43.1	41.4	40.1
KVK								
Bergen Point West Reach: (From a point 1,950 feet west of GREEN LIGHTED #17 to a point 30 feet west of RED LIGHTED #12	Map 1301, Pg 9 thru 10 of 15; April, May & June 2008	800 - 1,150	1.04	45	50.6	52.9	52.5	51.8
Bergen Point East Reach: From a point 30 feet west of RED LIGHTED #12 to a point 1,500 feet west of GREEN LIGHTED #9	Map 1301, Pg 7 thru 9 of 15; April, May & June 2008	800	1.13	45	49.9	52.6	52.3	51.9
Constable Hook Reach (Partial): From a point 1,500 feet west of GREEN LIGHTED #9 to a point 3,200 feet East of GREEN LIGHTED #1	Map 1301, Pg 2 thru 7 of 15; April, May & June 2008	800 - 1,400	2.17	45	44.4	44.9	46.4	39.3

REMARKS:

- All depths in Mean Low Water
- Channel length is in nautical miles

ARTHUR KILL

- **Gulf Port Reach (Partial):** Minimal shoaling along the right and left channel toe line.
- **Elizabeth Port Reach:** No shoaling in this reach of the channel.
- **North of Shooters Island Reach:** No shoaling in this reach of the channel.

KVK

- **Bergen Point West Reach:** No shoaling in this reach of the channel.
- **Bergen Point East Reach:** No shoaling in this reach of the channel.
- **Constable Hook Reach:** There is a shoal in the right outside quarter of the channel beginning approximately 500 ft west of GREEN LIGHTED #5 and is 1,650 ft in length and approximately 80 ft at its greatest width. Another shoal exists in the right outside quarter beginning at GREEN LIGHTED #3 EBB and extends for approximately 2000 ft with a maximum width of 340 ft.