

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

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DATE May 30, 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:

GREAT SOUTH BAY, NEW YORK

**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 : Commences from Fire Island Inlet, Robert Moses to 1,400 ft west of RED Buoy #10 (East Fire Island).	Map 88; Pg 3 thru 9; 3-10 April 2008	200	3.94	10	2.3	1.3	0.9
Reach B : Commences from 1,400 ft west of RED Buoy #10 (East Fire Island) to 1,300 ft west of RED Buoy #34 (Brown Point).	Map 88; Pg 9 thru 22; 3-10 April 2008	200	7.75	10	6.9	9.3	7.8
Reach C : Commences from 1,300 ft west of RED Buoy #34 (Brown Point) to entrance of Patchogue River.	Map 88; Pg 22 thru 26; 3-10 April 2008	200	2.11	10	8.4	8.4	8.5

REMARKS:

- All depths in Mean Low Water (MLW)
- Channel length is in nautical miles.
- **Reach A** – Shoaling exists along the entire channel width approximately 1,850 ft west of GREEN/RED Buoy “CB” and continues on westward for approximately 1,200 ft with minimum depth of 1.3 ft MLW along the center of the channel.
 - Shoaling exists along the entire channel width approximately 950 ft west of GREEN CAN #7 and continues on eastward till GREEN CAN #7; thence, continues along the left half of the channel for approximately 400 ft.
 - Shoaling exists along the entire channel width approximately within 500 ft west and in the left outside quarter 300 ft east of GREEN/RED Buoy “EW”
 - Shoaling exists approximately within 250 ft in both directions of RED Buoy #5 along the right quarter of the channel.
- **Reach B** – Shoaling exists in the vicinity of GREEN Buoy #19 along the channel toe line with minimum depth of 6.9 ft MLW in the left quarter of the channel.
 - Shoaling exists sporadically along the entire channel from approximately 600 ft west of GREEN CAN #23 to approximately 400 ft east of RED Buoy #24 with minimum depth of 9.3 ft MLW along the center of the channel.
 - Shoaling exists along the left and right quarter of the channel from approximately 700 ft east of RED Buoy #24 to GREEN/RED “EN”.
 - Shoaling exists along the entire channel width from approximately 1,200 ft west of RED NUN #32 to approximately 3,400 ft east of RED NUN #32 with minimum depth of 9.5 ft MLW along the channel center.
- **Reach C** – Shoaling with minimum depth of 8.4 ft MLW exists along the entire channel width from approximately 2,000 ft west of RED Buoy #34 to the entrance of Patchogue River.