

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

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**DATE** June 21, 2006

**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, PATCHOGUE RIVER

**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)			
<b>Reach D:</b> Commences from the Entrance to Patchogue River to a point 0.15 nmil north of the tip of western Jetty.	Map 86 Pg 1 thru 4 9 – 31 May 2006	100	1.6	8*	2.6	3.3	2.2
<b>Reach E:</b> Commences from a point 0.15 nmil north of western Jetty to a point 0.53 nmil north (just North of Philips Terminal)	Map 86 Pg 1 thru 4 9 – 31 May 2006	100	0.53	8*	2.0	3.1	1.9
<b>Reach F:</b> Commences from a point 0.67 nmil of the tip of west jetty (just North of Philips Terminal) to upstream limit of project.	Map 86 Pg 1 thru 4 9 – 31 May 2006	100	0.2	8	5.3	4.4	1.5

**REMARKS:**

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

**Reach D** – The Shoal starts from approximately 450 feet south of Green Buoy #1 and continues along the entire channel width to the opposite Jetty in Patchogue River (End of Reach) with a minimum depth of 3.3 feet along the center of the channel.

**Reach E** – The Shoal continues along the entire channel width to approximately 950 feet south of Philips Terminal with a minimum depth of 3.1 feet along the center of the channel.

**Reach F** – The Shoal starts from approximately 400 feet north of Philips terminal and continues for approximately 325 feet along the entire channel width, then the shoal ends for approximately 150 feet thence continues along the entire channel width to the end of the channel with a minimum depth of 4.4 feet along the center of the channel.

\* *The 10 ft authorized project was never constructed to a 10 ft depth. In 1979 a reconnaissance report indicated that no maintenance dredging is justified below 8 feet MLW for the entire channel length.*