

**REPORT OF CHANNEL CONDITIONS
100 TO 400 FEET WIDE
(ER 1130-2-3165)**

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DATE October 20, 2003

TO: Commander 90 (OAN), First Coast Guard District
408 Atlantic Avenue
Boston, MA 02110

FROM: U.S. Army Corps of Engineers
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New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:

SHREWSBURY RIVER, NJ

**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 (0.0 mi – 2.2 mi): Sandy Hook Bay to Highlands, NJ.	17-20 May '03 Sh. 2-5	300	2.2	12	0.6	9.1	7.8
Reach B (2.2 mi – 2.6 mi): Highlands, NJ to North and South branch.	17-20 May '03 Sh. 6	150	0.4	9	13.1	10.9	9.0
Reach C (2.6 mi – 7.0 mi): South Branch to 7.0-mile mark (parallel to Raccoon point).	17-20 May '03 Sh. 7& 17-22	150	4.8	9	3.6	1.9	1.9
Reach D (7.0 mi – 7.5 mi): 7.0-mile mark (parallel to Raccoon point) to Sands Point.	17-20 May '03 Sh. 23-24	150	2	9	7.4	9.3	5.8
Reach E (7.5 mi – 8.2 mi): Sands Point to Pleasure Bay bridge.	17-20 May '03 Sh. 24-25	150	0.7	9	6.8	7.8	6.7
Reach F (8.2 mi – 9.0 mi): Pleasure Bay bridge to Branchport.	17-20 May '03 Sh. 25-26	150	0.8	9	1.5	1.9	3.5
Reach G (2.6 mi - ~5.0 mi): North Branch junction to Oceanic Bridge.	17-20 May '03 Sh. 7-10	150	2.4	6	2.3	2.9	1.8
Reach H (~5.0 mi - 8.7 mi): Oceanic Bridge to Red Bank.	17-20 May '03 Sh. 10-16	150	3.7	6	5.0	4.3	4.7

REMARKS: All depths are in Mean Low Water (MLW), unless it is noted otherwise.
There are long toe shoals along the right and the left quarter channels for most of the channel length.
There are six shoals, which cross the entire channel:
1st – (Reach A) 600 feet past buoy Green Can #11 for about 200 feet.
2nd – (Reach C) South branch near the Y section near Red and Green Buoy NS lighted.
3rd – (Reach C) South Branch basin starts at 400 feet to buoy Red #28 lighted for 1000 feet.
4th – (Reach C) South Branch basin starts at 300 feet to Green can # 29 for 450 feet (mainly the Left outside quarter and Middle half).
5th – (Reach E & 'F) Starts at Green can #44 for 850 feet.
6th - (Reach G) North branch at 450 feet past buoy Red Nun #10 for about 400 feet.

