

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

PAGE 1 **OF** 2

DATE: May 4, 2012

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:

Shark River, New Jersey

**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. Starting at a point 650 ft east of the end of the south jetty in the ocean to a point 150 ft east of the end of the north jetty.	Map 116 Pg 1 of 3 March 12-14, 2012	150/100	0.13	18	6.4	7.6	10.9
Reach B. From a point 150 ft east of the end of the north jetty to Ocean Ave Bridge.	Map 116 Pg 1 of 3 March 12-14, 2012	100	0.13	12	15.5	11.9	12.7
Reach C. Ocean Ave Bridge to Route 35 Bridge.	Map 116 Pg 1-3 of 3 March 12-14, 2012	100	0.76	12	6.2	7.0	6.5
Reach D. From Route 35 Bridge to the upstream limit of Federal Channel at Belmar Municipal Boat Basin.	Map 116 Pg 3 of 3 March 12-14, 2012	100	0.46	8	6.7	7.4	6.7
Reach E: Triangular anchorage area east of the State Highway Bridge Route 71, begins 1,200 ft east of Route 71 Bridge widens toward and ends near the Route 71 Bridge.	Map 116 Pg 2 of 3 March 12-14, 2012	Irregular	Irregular	12	2.0		

REMARKS:

- All depths are in reference to Mean Low Water (MLW)
- Channel length is in nautical miles
 - **Reach A:** Project depth available for the first 300 feet of the reach across the width of the channel. The remainder of the reach is shoaled in.
 - **Reach B:** No shoal exists in this reach.
 - **Reach C:** Project depth is available across the entire width of the channel for approximately 850 feet landward from the beginning of the reach. Shoaling then begins in the right outside quarter and extends approximately 1550 feet landward across the entire channel width. Shoaling continues to approximately the end of the reach, with the exception of a 250 foot area in the left outside quarter just seaward of the Route 71 Bridge, and a 200 foot area across the channel width just seaward of the Route 35 Bridge.

- **Reach D:** Project depth is available throughout most of the reach. There is a 325 foot long shoal in the left quarter, beginning approximately 100 feet landward of the Route 35 Bridge. There is a 700 foot long shoal in the right quarter, beginning approximately 600 feet landward of the Route 35 Bridge. There is a 350 foot long shoal in the right quarter and middle half, approximately 350 feet seaward of the end of the reach. There is an 80 foot long shoal in the left quarter, approximately 350 feet from the end of the reach.
- **Reach E:** Shoaling covers approximately 90% of the anchorage area.