

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

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DATE: June 6, 2013

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 119 Pg 1 of 3 March 15-18, 2013	150/100	0.13	18	12.4	12.7	13.4
Reach B. From a point 150 ft east of the end of the north jetty to Ocean Ave Bridge.	Map 119 Pg 1 of 3 March 15-18, 2013	100	0.13	12	14.5	10.6	10.3
Reach C. Ocean Ave Bridge to Route 35 Bridge.	Map 119 Pg 1-3 of 3 March 15-18, 2013	100	0.76	12	5.9	6.3	5.4
Reach D. From Route 35 Bridge to the upstream limit of Federal Channel at Belmar Municipal Boat Basin.	Map 119 Pg 3 of 3 March 15-18, 2013	100	0.46	8	6.0	6.5	5.7
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 119 Pg 2 of 3 March 15-18, 2013	Irregular	Irregular	12	0.9		

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 180 feet of the reach across the width of the channel. The remainder of the reach is shoaled in.
 - **Reach B:** Spot shoal begins in the right outside quarter 50 ft landward of the end of the north jetty with a length of 100 ft with 50 feet maximum width.
 - **Reach C:** Project depth is available across the entire width of the channel for approximately 650 feet landward from the beginning of the reach at the Ocean Avenue Bridge. Shoaling then begins in the right outside quarter and extends to the end of the reach at Route 35 bridge, with the exception of a 450 foot long area in the right outside quarter and in the middle half beginning 400 ft seaward of the east end of the triangular anchorage area.

Reach D: Project depth is available throughout most of the reach. There is a 650 foot long section shoaled in the left outside quarter, beginning approximately 70 feet landward of the Route 35 Bridge. There is a 800 foot long shoal in the right quarter with 40 feet maximum width, beginning approximately 600 feet landward of the Route 35 Bridge. There is a 400 foot long shoal in the right quarter and middle half, beginning at the NJ STATE RED BUOY, ending approximately 350 feet seaward of the end of the reach.

- o **Reach E:** Shoaling covers approximately 90% of the anchorage area.