

**REPORT OF CHANNEL CONDITIONS  
100 TO 400 FEET WIDE**

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DATE: 29 May 2015

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 (Outer Channel)

**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 A.</b> Starting at a point approximately 630 feet east of the end of the south jetty in the ocean to a point 150 feet east of the end of the north jetty.	Map 130 Pg 1 of 3  17, 19 MAR 2015	150-100	0.13	18	17.5	14.3	13.4
<b>Reach B.</b> From a point approximately 150 feet east of the end of the north jetty to Ocean Ave Bridge.	Map 130 Pg 1 of 3  17, 19 MAR 2015	100	0.13	12	16.2	12.0	9.3
<b>Reach C.</b> Ocean Ave Bridge to Route 35 Bridge.	Map 130 Pg 1 - 3 of 3  17, 19 MAR 2015	100	0.76	12	7.6	9.5	8.5
<b>Reach D.</b> From Route 35 Bridge to the upstream limit of Federal Channel at Belmar Municipal Boat Basin.	Map 130 Pg 3 of 3  17, 19 MAR 2015	100	0.46	8	8.2	7.9	8.2
<b>Reach E.</b> Triangular anchorage area east of the State Highway Bridge Route 71, begins approximately 1,200 ft east of Route 71 Bridge then widens toward and ends approximately 50 feet seaward of Route 71 Bridge.	Map 130 Pg 2 of 3  17, 19 MAR 2015	Irregular	Irregular	12	11.4		

**REMARKS:**

- All reported depths are relative to Mean Lower Low Water (MLLW) datum.
- Channel reach lengths are in nautical miles.

**SHARK RIVER (Outer Channel Reaches)**

- **Reach A:** There is shoaling in all quarters of the channel beginning approximately 335 feet landward of the end of the south jetty up to the reach's end.
- **Reach B:** Shoaling exists along the toe of the channel in the Right Outside Quarter beginning approximately 150 feet seaward of the end of the north jetty and extends landward into the Middle Half of the channel with a maximum width of approximately 40 feet.

REMARKS continue:

**SHARK RIVER (Inner Channel Reaches)**

- **Reach C:** Shoaling exists along the toe of the channel in the Left Outside Quarter beginning approximately 1210 feet landward of the Ocean Ave Bridge and extends approximately 840 feet in length along the channel. This shoaling extends into the Middle Half with a maximum width of approximately 65 feet. Shoaling exists along the toe of the channel in the Left Outside Quarter beginning approximately 1360 feet seaward of the Route 71 (Main Street) Bridge and ends approximately 1230 feet seaward of the Route 71 (Main Street) Bridge with a maximum width of approximately 20 feet. There is shoaling throughout all quarters of the channel beginning approximately 115 feet seaward from of the Route 71 (Main Street) Bridge and extends under the Route 71 (Main Street) Bridge. There is minor shoaling along the toe of the channel on the Left Outside Quarter starting approximately 170 feet landward of the of the Route 71 (Main Street) Bridge and continues landward for approximately 140 feet. There is also spot shoaling along the toe of the channel on the Right Outside Quarter commencing approximately 260 feet landward of Route 71 (Main Street) Bridge and extends landward.
- **Reach D:** There is shoaling along the toe of the channel on the Left Outside Quarter beginning at approximately 330 feet seaward from the reach's end and ending approximately 400 feet seaward from the reach's end with a maximum width of approximately 25 feet. Some shoaling is located in the center of the Middle Half of the channel starting at approximately 520 feet seaward from the reach's end and extending to approximately 480 feet seaward from the reach's end.
- **Reach E:** Sporadic shoaling exists along the toe of the anchorage area on the western and northern side of the reach. The maximum width of this shoaling is of approximately 50 feet into the anchorage area from the northern and western edge of the anchorage area.