

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

PAGE 1 OF 2

DATE: 26 May 2016

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 approximately 150 feet east of the end of the north jetty.	File 135 Sheet 1 of 3 21-23 Mar. 2016	Varies 100 To 150	0.13	18	14.7	12.3	11.0
Reach B. From a point approximately 150 feet east of the end of the north jetty to the Ocean Ave Bridge.	File 135, Sheet 1 of 3; 21-23 Mar. 2016	100	0.13	12	13.2	10.2	9.4
Reach C. From the Ocean Ave Bridge to the Route 35 Bridge.	File 135 Sheets 1&2 of 3; 21-23 Mar. 2016	100	0.76	12	8.2	8.9	9.0
Reach D. From the Route 35 Bridge to the upstream limit of Federal Channel at Belmar Municipal Boat Basin.	File 135 Sheet 3 of 3; 21-23 Mar. 2016	100	0.46	8	7.5	8.5	8.1

REMARKS:

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

SHARK RIVER, NEW JERSEY

- **Reach A:**
 - Shoaling exists throughout most of this reach but project depth is available at the entrance of the channel, for approximately 210 feet landward. Project depth also exist in the left outside quarter and a small portion of the middle half, from approximately 480 feet landward of the entrance of the channel to the end of the reach, at approximately 160 feet seaward of north jetty.
- **Reach B:**
 - An edge shoal commencing from the start of the reach in the Right Outside Quarter, extends across most of the width of the quarter and encompasses the Middle Half of this reach for approximately 105 feet landward, before exiting the channel along the toe of the Right Outside Quarter, approximately 235 feet landward of the north jetty.
- **Reach C:**
 - Project depth is available across the entire width of the channel for approximately 685 feet landward from the beginning of this reach at the Ocean Avenue Bridge. Thence, shoaling commences in the Right Outside Quarter and gradually spreads across the entire width of the channel, before exiting in the Left Outside Quarter, approximately 2,060 feet landward of the Ocean Avenue Bridge. Sporadic shoaling begins in the Left Outside Quarter, just seaward of the east end of the triangular anchorage area, and continues landward in the outside quarter and middle half until the end of the reach at Route 35 Bridge. Shoaling exists in all quarters at the Route 71 Bridge.
- **Reach D:**
 - Project depth is available throughout the majority of this reach but some minor spot shoals exist along the toe of the Left Outside Quarter, beginning just landward of the second bend of the reach.

**REPORT OF CHANNEL CONDITIONS
IRREGULAR WIDTH**

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CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			
		WIDTH (feet)	AREA (Acres)	DEPTH (feet)	
Reach E: Triangular anchorage area east of the State Highway Route 71 Bridge, begins 1,200 ft east of Route 71 Bridge then widens toward and ends near the Route 71 Bridge.	File 135 Sheet 2 of 3; 21-23 Mar. 2016	Irregular	6.98	12	8.3

REMARKS:

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- Channel reach lengths are in nautical miles

SHARK RIVER, NEW JERSEY

- **Reach E:**
 - Project depth exists throughout most of the anchorage area, with the exception of some sporadic shoaling within the anchorage and along the toe of the western and a portion of the northern limits.