

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

PAGE 1 OF 2 PAGES

DATE: 11 April 2018

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. From approximately 750 feet seaward of the Fixed Aid Green #1 to approximately 40 feet landward of the same.	File 146 Sheet 1 of 3; 27 - 28 Feb. 2018	100-150	0.13	18	12.8	16.4	16.7
Reach B. From approximately 40 feet landward of the Fixed Aid Green #1 to the Ocean Avenue Bridge.	File 146, Sheet 1 of 3; 27 - 28 Feb. 2018	100	0.13	12	17.8	16.4	15.0
Reach C. From the Ocean Ave Bridge to the Rail Road Bridge located just seaward of the Route 35 Bridge.	File 146 Sheets 1 - 2 of 3; 27 - 28 Feb. 2018	50-210	0.76	12	7.9	8.3	8.6
Reach D. From the Rail Road Bridge to the upstream limit of Federal Channel at Belmar Municipal Boat Basin.	File 146 Sheet 2 - 3 of 3; 27 - 28 Feb. 2018	50-200	0.46	8	8.5	8.5	9.0

REMARKS:

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

SHARK RIVER, NEW JERSEY

- **Reach A:**
 - Shoaling exists throughout much of this reach, but project depth is available from the entrance of the channel, to approximately 495 feet seaward of Fixed Aid Green #1. Project depth is also available in the Middle Half and approximately half the width of the Right Outside Quarter, from approximately 240 feet seaward of Fixed Aid Green #1 to the end of the reach, approximately 40 feet landward of Fixed Aid Green #1.
- **Reach B:**
 - No shoaling exists in this reach.
- **Reach C:**
 - Project depth is available across the entire width of the channel for approximately the first 1,000 feet of this reach. Thence, shoaling gradually spreads across the entire channel's width for much of approximately the next 1,185 feet of this reach. Sporadic shoaling exists throughout the remainder of this reach in the channel adjacent to the anchorage area and in the vicinity of the Route 71 and Rail Road Bridges.
- **Reach D:**
 - No shoaling exists in this reach.

**REPORT OF CHANNEL CONDITIONS
IRREGULAR WIDTH**

PAGE 2 OF 2 PAGES

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**MINIMUM DEPTH IN
CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			
		WIDTH (feet)	AREA (acres)	DEPTH (feet)	
Reach E: Triangular anchorage area located seaward of the State Highway Route 71 Bridge. Anchorage begins approximately 1,475 feet seaward of Route 71 Bridge; thence widens towards and ends near the Route 71 Bridge.	File 146 Sheet 2 of 3; 27 - 28 Feb. 2018	Irregular	6.62	12	8.7

REMARKS:

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- Channel reach lengths are in nautical miles

SHARK RIVER, NEW JERSEY

- **Reach E:**
 - Project depth is available throughout most of approximately the first 800 feet of the seaward end of this anchorage area. However, shoaling exists throughout much of approximately the last 520 feet of the anchorage, along its northern, southern, and western limits.