

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

PAGE 1 OF 2

DATE: April 2014

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 123 Sheet 1 of 3 10 Mar. 2014 | Varies 100 To 150 | 0.13 | 18 | 16.8 | 17.0 | 15.3 |
| Reach B. From a point approximately 150 feet east of the end of the north jetty to the Ocean Ave Bridge. | File 123, Sheet 1 of 3; 10 Mar. 2014 | 100 | 0.13 | 12 | 14.2 | 12.6 | 12.1 |
| Reach C. From the Ocean Ave Bridge to the Route 35 Bridge. | File 123 Sheets 1&2 of 3; 10 Mar. 2014 | 100 | 0.76 | 12 | 5.3 | 6.0 | 4.8 |
| Reach D. From the Route 35 Bridge to the upstream limit of Federal Channel at Belmar Municipal Boat Basin. | File 123 Sheet 3 of 3; 10 Mar. 2014 | 100 | 0.46 | 8 | 6.3 | 7.3 | 6.5 |

REMARKS:

- All depths are in reference to Mean Lower Low Water (MLLW)
- Channel length is in nautical miles

SHARK RIVER, NEW JERSEY

- **Reach A:**
 - An edge shoal extends across the width of the Left Outside Quarter and slightly into the Middle Half, beginning approximately 230 feet landward of the beginning of the reach and extending landward approximately 330 feet, with a maximum width of approximately 40 feet.
 - An edge shoal extends across the width of the Right Outside Quarter and into the Middle Half, beginning approximately 445 feet landward of the beginning of the reach and extending landward approximately 355 feet to the end of the reach, with a maximum width of approximately 70 feet.
- **Reach B:**
 - An edge shoal begins in the Right Outside Quarter approximately 40 feet landward of the end of the north jetty and extends landward approximately 150 feet, with a maximum width of approximately 15 feet.
- **Reach C:**
 - Project depth is available across the entire width of the channel for approximately 700 feet landward from the beginning of the reach at the Ocean Avenue Bridge. Thence, there is shoaling across the width of the channel that extends to the end of the reach at the Route 35 Bridge, with the exception of a 550 foot long area in the Right Outside Quarter and in the Middle Half beginning approximately 450 feet seaward of the east end of the triangular anchorage area.
- **Reach D:**
 - An edge shoal extends across the width of the Left Outside Quarter and into the Middle Half, beginning approximately 100 feet landward of the Route 35 Bridge and extending landward approximately 370 feet, with a maximum width of approximately 60 feet.
 - An edge shoal extends across the width of the Right Outside Quarter, beginning approximately 600 feet landward of the Route 35 Bridge and extending landward approximately 770 feet, with a maximum width of approximately 30 feet.
 - A spot shoal exists in the Middle Half, beginning approximately 990 feet landward of the Route 35 Bridge and extending landward approximately 90 feet, with a maximum width of approximately 15 feet.
 - An edge shoal extends across the width of the Right Outside Quarter and into the Middle Half, beginning approximately 730 feet seaward of the end of the reach and extending landward approximately 370 feet, with a maximum width of approximately 70 feet.
 - An edge shoal exists in the Left Outside Quarter, beginning approximately 475 feet seaward of the end of the reach and extending landward approximately 140 feet, with a maximum width of approximately 30 feet.

**REPORT OF CHANNEL CONDITIONS
IRREGULAR WIDTH
(ER 1130-2-306)**

PAGE 2 **OF** 2

DATE: April 2014

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 | | | |
|--|--|--------------------|--------------|--------------|-----|
| | | 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 123 Sheet 2 of 3; 10 Mar. 2014 | Irregular | 6.98 | 12 | 1.0 |

REMARKS:

- All depths are in reference to Mean Lower Low Water (MLLW)
- Channel length is in nautical miles

SHARK RIVER, NEW JERSEY

- **Reach E:**
 - Shoaling covers approximately 90% of the anchorage area, with the exception of the most seaward corner.