

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

PAGE 1 OF 2

DATE Feb. 10, 99

TO: Commander, First Coast Guard District  
408 Atlantic Ave  
Boston, MA 02110-2290

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 Channel from 0.0 MI to 1.7 MI,

**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 (miles)	DEPTH (feet)			
ENTRANCE SECTION	6/1/98	150/100	0.17	18	19.1	16.8	16.1
MAIN CHANNEL SECTION	6/1/98	100	1.01	12	9.4	8.8	12.4
SOUTH CHANNEL SECTION	6/1/98	100	0.52	8	7.0	8.4	6.0

**REMARKS** (Continue on reverse)

SEE ATTACHED DESCRIPTION OF SHOALS

**REPORT OF CHANNEL CONDITIONS  
400 FEET WIDE OR GREATER  
(ER 1130-2-306)**

Page 2 OF2

DATE Feb.10,99

TO: Commander, First Coast Guard District  
408 Atlantic Ave  
Boston, MA 02110-2290

FROM: U.S. Army Corps of Engineers  
26 Federal Plaza  
New York, NY 10278-0090

RIVER/HARBOR NAME AND STATE:  
Shark River Channel, Anchorage Area

**MINIMUM DEPTHS IN EACH ¼ WIDTH OF  
CHANNEL ENTERING FROM SEAWARD**

SECTION OR REACH	MAP FILE NO. SURVEY DATE	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER <i>(feet)</i>	LEFT INSIDE QUARTER <i>(feet)</i>	RIGHT INSIDE QUARTER <i>(feet)</i>	RIGHT OUTSIDE QUARTER <i>(feet)</i>
		WIDTH <i>(feet)</i>	LENGTH <i>(miles)</i>	DEPTH <i>(feet)</i>				
ANCHORAGE AREA	6/1/98	100/500	0.26	12	12.5	11.0	10.0	6.5

**REMARKS:**

SEE ATTACHED DESCRIPTION OF SHOALS

**SHARK RIVER CHANNEL, NEW JERSEY,  
CONTROLLING DEPTH DATA .  
ENTRANCE SECTION, 150 FT WIDE, 0.17 MILE LONG,  
PROJECT DEPTH 18 FT (MLW)  
FROM 0.0 MI IN THE ATLANTIC OCEAN TO THE LINE ACROSS THE BAR AT  
THE ENTRANCE  
(BASED ON CONDITION SURVEY DATED 1 JUNE 1998)**

**MID-CHANNEL HALF PROJECT**

1. Shoal along the right edge of the mid channel at the west end of the Entrance Section 70 ft long,. Maximum width 35 ft. Minimum depth of 16.8 ft at coordinates N 493440 / E 629670 and N 493440 / E 629740. This shoal continues in the adjacent Main Channel section where its minimum depth is 14.1 ft.

**RIGHT OUTSIDE 1/4 WIDTH**

2. Shoal along the right channel limit approximately 150 ft long at the west end of the Entrance Section, widening gradually to occupy the total width of this quarter. Maximum width 25 ft. Minimum depth of 16.1 ft at coordinates N493480 / E629680 and N 493450 / E629820. This shoal continues in the adjacent Main Channel section.

**SHARK RIVER CHANNEL, NEW JERSEY,  
CONTROLLING DEPTH DATA .  
MAIN CHANNEL SECTION, 100 FT WIDE, 1.01 MILE LONG,  
PROJECT DEPTH 12 FT (MLW)  
FROM 0.17 MI TO ROUTE 35 BRIDGE  
(BASED ON CONDITION SURVEY DATED 1 JUNE 1998)**

**LEFT OUTSIDE 1/4 WIDTH**

3. Shoal 400 ft long, occupying the entire width of this quarter then narrows. Minimum depth of 9.4 ft at coordinates N493580 / E 627080 and N493600 / E 627450.
4. Spot shoal along the left channel limit approximately 40 ft long. Maximum width 10 ft. Minimum depth of 11.4 ft at coordinates N493550 / E 626850.
5. Shoal along the left channel limit approximately 340 ft long. Maximum width 20 ft. Minimum depth of 11.2 ft at coordinates N 493020 / E 625770 and N 493200 / E 626070.
6. Shoal along the left channel limit approximately 340 ft long. Maximum width 20 ft. Minimum depth of 10.2 ft at coordinates N 492470 / E 624730 and N 492600 / E 625030.

**MID CHANNEL HALF PROJECT**

7. Shoal approximately 260 ft long occupying the entire width of mid channel half, minimum depth of 8.8 ft at coordinates N493620 / E 627160 and N493640 / E 627420.

**SHARK RIVER CHANNEL, NEW JERSEY,  
CONTROLLING DEPTH DATA .  
ANCHORAGE AREA, 100/500 FT WIDE, 0.26 MILE LONG,  
PROJECT DEPTH 12 FT (MLW)  
EAST FROM ROUTE 71 BRIDGE  
(BASED ON CONDITION SURVEY DATED 1 JUNE 1998)**

**LEFT INSIDE 1/4 WIDTH**

8. Shoal along the western limit of the anchorage area approximately 120 ft long. Maximum width 30 ft. Minimum depth of 11.0 ft at coordinates N 492990 / E 625330 and N 493110 / E 625340.

**RIGHT INSIDE 1/4 WIDTH**

9. Shoal along the right edge of this quarter approximately 70 ft long. Maximum width 60 ft. Minimum depth of 10.0 ft at coordinates N 493260 / E 625350 and N 493280 / E 625430.

**RIGHT OUTSIDE 1/4 WIDTH**

10. Shoal along the right channel limit approximately 770 ft long. Maximum width 140 ft. Minimum depth of 6.5 ft at coordinates N 493260 / E 625350 and N 493520 / E 626070.

**SHARK RIVER CHANNEL, NEW JERSEY,  
CONTROLLING DEPTH DATA .  
SOUTH CHANNEL SECTION, 100 FT WIDE, 0.52 MILE LONG,  
PROJECT DEPTH 8 FT (MLW)  
FROM ROUTE 35 BRIDGE TO THE WESTERN END OF THE CHANNEL  
(BASED ON CONDITION SURVEY DATED 1 JUNE 1998)**

**LEFT OUTSIDE WIDTH**

11. Shoal along the left channel limit approximately 250 ft long with maximum width of 25 ft, minimum depth of 7.0 ft at coordinates N 492230 / E 624160 and N 492400 / E 624340.

12. Shoal approximately 100 ft long with maximum width of 20 ft along the left channel line, minimum depth of 7.0 ft at coordinates N 490800 / E 622950 and N 490850 / E 623030.

**RIGHT OUTSIDE 1/4 WIDTH**

13. Shoal along the right channel limit approximately 330 ft long with maximum width of 20 ft with a minimum depth of 7.0 ft at coordinates N 491800 / E 623640 and N 492040 / E 623850.

14. Shoal along the right channel limit approximately 50 ft long, maximum width 10 ft, minimum depth of 6.0 ft at coordinates N 490840 / E 622600.