

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

PAGE 1 of 1

DATE 24 March 1999

TO: Commander 90 (OAN)
 First Coast Guard District

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

RIVER/HARBOR NAME AND STATE: SHREWSBURY RIVER, NJ

**MINIMUM DEPTHS IN
 CHANNEL ENTERING FROM SEAWARD**

NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER <i>(feet)</i>	MIDDLE HALF <i>(feet)</i>	RIGHT OUTSIDE QUARTER <i>(feet)</i>
		WIDTH <i>(feet)</i>	LENGTH <i>(miles)</i>	DEPTH <i>(feet)</i>			
Section 1, from 0.0 MI to 2.2 MI (Channel in Sandy Hook Bay)	6/26/98	300	2.2	12	4.3	8.6	9.0
Section 2, from 2.2 MI to 9.0 MI (South Branch)	6/26/98	150	6.8	9	6.1	3.8	4.0
Section 3, from 2.6 MI to 8.7 MI (North Branch)	6/26/98	150	6.1	6.0	4.7	4.3	5.0

**SHREWSBURY RIVER, NEW JERSEY,
CONTROLLING DEPTH DATA .
SECTION 1, CHANNEL IN SANDY HOOK BAY,
300 FT WIDE, 2.2 MILE LONG
PROJECT DEPTH 12 FT (MLW)**

(FROM MILE 0.0 TO MILE 2.2 IN THE SANDY HOOK INLET)
(BASED ON CONDITION SURVEY DATED 24-26 JUNE 1998)

LEFT OUTSIDE 1/4 WIDTH

Shoal along the left channel limit approximately 1,000 ft long with maximum width of 15 ft along the left channel line, with a minimum depth of 4.3 ft at coordinates N 575950 / E 630950 and N 576900 / E 630690.

Shoal approximately 70 ft long with maximum width of 15 ft along the left channel line, with a minimum depth of 11.9 ft at coordinates N 575150 / E 632000.

Shoal approximately 70 ft long with maximum width of 50 ft along the left channel line, with a minimum depth of 11.4 ft at coordinates N 574480 / E 633330.

Shoal approximately 40 ft long with maximum width of 20 ft along the right edge of this quarter, with a minimum depth of 11.6 ft at coordinates N 572700 / E 635900.

Shoal along the left channel limit approximately 250 ft long with a maximum width of 40 ft with a minimum depth of 11.3 ft at coordinates N571250 / E 636760 and N571480 / E636,670.

MID CHANNEL HALF PROJECT

Shoal approximately 560 ft long across the entire width of the mid channel half project, with a minimum depth of 10.1 ft at coordinates N 575880 / E 630860 and N 630610 / E 576380.

Shoal approximately 120 ft long with a maximum width of 30ft at the right edge of the

Shoal approximately 120 ft long with a maximum width of 30 ft at the left edge of the mid channel half project, with a minimum depth of 11.5 ft at coordinates N572700 / E 635900.

Shoal approximately 80 ft long with a maximum width of 50 ft at the right edge of the mid channel half project, with a minimum depth of 8.6 ft at coordinates N 572070 / E 636200 and N 572150 / E 636200.

Shoal approximately 120 ft long across the entire width of the mid channel half project, with a minimum depth of 10.9 ft at coordinates N 571740 / E 636380 and N 571880 / E 636360.

RIGHT OUTSIDE 1/4 WIDTH

Shoal along the right channel limit approximately 1,100 ft long widening gradually to occupy the total width of this quarter. Maximum width 75 ft with a minimum depth of 9.0 ft at coordinates N 575940 / E 630720 and N 576970 / E 630370.

Spot shoal in the middle of the quarter approximately 40 ft long. Maximum width 20 ft with a minimum depth of 11.6 ft at coordinates N 574280 / E 6330220.

Shoal along the right channel limit approximately 800 ft long, maximum width 40 ft with a minimum depth of 11.8 ft at coordinates N 574200 / E 633270 and N 574040 / E633760.

Shoal along the right channel limit approximately 150 ft long, maximum width 30 ft with a minimum depth of 10.6 ft at coordinates N 573190 / E 635100 and N 573290 / E 635000.

Shoal approximately 120 ft long with a maximum width of 30 ft at the left edge of the quarter, with a minimum depth of 10.5 ft at coordinates N 573230 / E 635160 and N 573330 / E 635050.

Shoal approximately 450 ft long occupying the total width of this quarter. Maximum width 75 ft with a minimum depth of 10.2 ft, at coordinates N 572340 / E 635940 and N 572650 / E 635630.

Shoal along the right channel limit approximately 500 ft long, maximum width

**SHREWSBURY RIVER, NEW JERSEY,
CONTROLLING DEPTH DATA .
SECTION 2, SOUTH BRANCH,
150 FT WIDE, 6.8 MILE LONG
PROJECT DEPTH 9.0 FT (MLW)**

(FROM MILE 2.2 TO MILE 9.0 IN SOUTH BRANCH)
(BASED ON CONDITION SURVEY DATED 24-26 JUNE 1998)

LEFT OUTSIDE 1/4 WIDTH

Shoal along the left channel limit approximately 350 ft long with maximum width of 37.5 ft across the entire width of this quarter, with a minimum depth of 6.8 ft at coordinates N 566260 / E 637350 and N 566570 / E 637210.

Shoal approximately 70 ft long with maximum width of 15 ft along the left channel line, with a minimum depth of 8.5 ft at coordinates N 558040 / E 638300 and N 558130 / E 638320.

Shoal approximately 100 ft long with maximum width of 30 ft along the left channel line, with a minimum depth of 8.4 ft at coordinates N 554570 / E 637870 and N 554600 / E 637970.

Shoal along the left channel limit approximately 400 ft long with maximum width of 70 ft across the entire width of this quarter, with a minimum depth of 6.1 ft at coordinates N 554310 / E 637150 and N 554500 / E 637520.

Shoal approximately 120 ft long with maximum width of 30 ft, with a minimum depth of 8.8 ft at coordinates N 553390 / E 635500 and N 553460 / E 635610.

Shoal along the left channel limit approximately 250 ft long with a maximum width of 40 ft with a minimum depth of 7.8 ft at coordinates N 551380 / E 632570 and N 551620 / E 632730.

Shoal along the left channel limit approximately 70 ft long with a maximum width of 15 ft with a minimum depth of 8.6 ft at coordinates N 550010 / E 631600

Shoal along the left channel limit approximately 1,070 ft long with a maximum width of 20 ft with a minimum depth of 7.8 ft at coordinates N 546550 / E 632000 and N 547540 / E 631610.

Shoal approximately 2,100 ft long with a maximum width of 60 ft across the entire width of this quarter, with a minimum depth of 7.0 ft at coordinates N541570 / E 632660 and N 543530 / E 632540.

Shoal approximately 1,050 ft long with a maximum width of 60 ft across the entire width of this quarter, with a minimum depth of 6.9 ft at coordinates N540330 / E 632060 and N 541270 / E 632600.(69)

Shoal approximately 100 ft long with a maximum width of 30 ft along the left channel limit, with a minimum depth of 8.7 ft at coordinates N 539940 / E 631560 and N 540000 / E 631650.(70)

Shoal approximately 1,050 ft long with a maximum width of 20 ft along the left channel limit, with a minimum depth of 7.6 ft at coordinates N 538820 / E 630470 and N 539570 / E 631120.(71)

Shoal approximately 500 ft long with a maximum width of 90 ft across the entire width of this quarter, with a minimum depth of 7.0 ft from coordinates N 538710 / E 630420 to the west end of this channel branch at Branchport Avenue. The final 400 ft length of this quarter is not evaluated in this report.

MID CHANNEL HALF PROJECT

Shoal approximately 420 ft long across the entire width of the mid channel half project, with a minimum depth of 6.1 ft at coordinates N 566150 / E 637300 and N 566550 / E 637210.(50)

Shoal approximately 820 ft long with a maximum width of 180 ft across the entire width of the mid channel half project, with a minimum depth of 3.8 ft at coordinates N554370 / E 637080 and N 554880 / E 637780.(51)

Shoal approximately 360 ft long with a maximum width of 50 ft at the right edge of the

Shoal approximately 210 ft long with a maximum width of 30 ft at the left edge of the mid channel half project, with a minimum depth of 8.4 ft at coordinates N540710 / E 632430 and N 540910 / E 632490.(54)

Shoal approximately 180 ft long with a maximum width of 60 ft at the right edge of the mid channel half project, with a minimum depth of 8.4 ft at coordinates N 540590 / E 632350 and N 540730 / E 632350(55).

Shoal approximately 160 ft long with a maximum width of 20 ft at the right edge of the mid channel half project, with a minimum depth of 8.9 ft at coordinates N 540290 / E 631830 and N 540380 / E 631950(56).

Shoal approximately 90 ft long with a maximum width of 30 ft, with a minimum depth of 8.7 ft at coordinates N 540120 / E 631600 and N 540120 / E 631650.(57)

Shoal approximately 80 ft long with maximum width of 30 ft, with a minimum depth of 8.6 at coordinates N 539260 / E 630650 and N 539330 / E 630690.(58.A.)

Shoal approximately 850 ft long to the end of this channel branch at Branchport Avenue, with a maximum width of 100 ft across the entire width of the mid channel half project, with a minimum depth of 8.3 ft, starts at coordinates N 539090 / E630530 to the west end of this channel branch at Branchport Avenue. The final 350 ft length of this quarter is not evaluated in this report.

RIGHT OUTSIDE 1/4 WIDTH

Shoal along the right channel limit approximately 420 ft long with maximum width of 37.5 ft across the entire width of this quarter, with a minimum depth of 6.1 ft at coordinates N 566150 / E 637300 and N 566550 / E 637150.

Shoal along the right channel limit approximately 200 ft long. Maximum width 40 ft with a minimum depth of 9.0 ft at coordinates N 558560 / E 638160 and N 558740 / E 638190.

Shoal along the right channel limit approximately 1,020 ft long with maximum width of 140 ft across the entire width of this quarter, with a minimum depth of 4.0 ft at

Shoal along the right channel limit approximately 800 ft long. Maximum width 20 ft with a minimum depth of 8.7 ft at coordinates N 545330 / E 632160 and N 546110 / E 632020.

Shoal along the right channel limit approximately 1,650 ft long. Maximum width 50 ft with a minimum depth of 7.6 ft at coordinates N 543140 / E 632580 and N 544690 / E 632170(44)

Shoal along the right channel limit approximately 1,000 ft long, maximum width 37 ft with a minimum depth of 7.4 ft at coordinates N 541190 / E 632460 and N 542170 / E 632630.(45)

Shoal along the right channel limit approximately 420 ft long, maximum width 20 ft with a minimum depth of 8.5 ft at coordinates N 540120 / E 631550 and N 540390 / E 631880.(46)

No soundings were taken across the entire section due to moored boats on an approximate 750 ft length at coordinates N 539460/ E 630750 and N539950/E631350.

Shoal along the right channel limit approximately 260 ft long, maximum width 37.5 ft with a minimum depth of 8.3 ft at coordinates N 539090 / E 630450 and N 539300 / E 630600.

Shoal approximately 320 ft long across the entire width of this quarter reaching to the end of the channel at Branchport Ave. with a minimum depth of 8.8 ft starting at coordinates N 538780 / E 630240 to the west end of this channel branch at Branchport Avenue. The final 300 ft length of this quarter is not evaluated in this report.

**SHREWSBURY RIVER, NEW JERSEY,
CONTROLLING DEPTH DATA .
SECTION 3, NORTH BRANCH (NAVESINK RIVER)
150 FT WIDE, 6.1 MILE LONG
PROJECT DEPTH 6 FT (MLW)**

(FROM MILE 2.6 TO MILE 8.7 IN THE NORTH BRANCH "NAVESINK RIVER")
(BASED ON CONDITION SURVEY DATED 24-26 JUNE 1998)

LEFT OUTSIDE 1/4 WIDTH

Shoal along the left channel limit approximately 150 ft long with maximum width of 40 ft, with a minimum depth of 4.9 ft at coordinates N 565800 / E 637000 and N 565980 / E 637020.

Shoal approximately 140 ft long with maximum width of 20 ft along the left channel line, with a minimum depth of 5.6 ft at coordinates N 564590 / E 632300 and N 564570 / E 632430.

Shoal approximately 300 ft long with maximum width of 15 ft along the left channel line, with a minimum depth of 4.7 ft at coordinates N 564560 / E 630920 and N 564580 / E 631220 .

Shoal along the left channel limit approximately 280 ft long with a maximum width of 30 ft with a minimum depth of 5.2 ft at coordinates N 563960 / E 627290 and N 564110 / E 627520.

Shoal approximately 2,450 ft long across the entire width of this quarter, with a maximum width of 37.5 ft, with a minimum depth of 5.4 ft at coordinates N 557430 / E 615170 and N 555310 / E 613750.

Shoal occupying the entire width of channel over the remaining channel length, starting at coordinates N 554150 / E 612050.

MID CHANNEL HALF PROJECT

Shoal approximately 70 ft long, with a maximum width of 20 ft, with a minimum depth of 5.2, at coordinates N 564490 / E 635900 and N 564520 / E 635970.

Shoal along the left edge of the mid channel half project, approximately 2,000 ft long, with a maximum width of 20 ft, with a minimum depth of 5.8, at coordinates N 555650 / E 614030 and N 557420 / E 615120

Shoal along the right edge of the mid channel half project, approximately 2,400 ft long, with a maximum width of 40 ft, with a minimum depth of 5.5, at coordinates N 555340 / E 613750 and N 557440 / E 615040.

Shoal occupying the entire width of channel over the remaining channel length, starting at coordinates N 554150 / E 612050.

RIGHT OUTSIDE 1/4 WIDTH

Shoal along the right channel limit approximately 60 ft long. Maximum width 37.5 ft with a minimum depth of 5.0 ft at coordinates N 564520 / E 635820 and N 564540 / E 635870.

Shoal along the right channel limit approximately 220 ft long. Maximum width 30 ft with a minimum depth of 5.4 ft at coordinates N 564570 / E 632900 and N 564490 / E 633110.

Shoal along the right channel limit approximately 160 ft long. Maximum width 30 ft with a minimum depth of 5.8 ft at coordinates N 564660 / E 630050 and N 564670 / E 630180.

Shoal along the right channel limit approximately 380 ft long. Maximum width 20 ft with a minimum depth of 5.8 ft at coordinates N 564620 / E 632900 and N 564640 / E 629220.

Shoal approximately 3,250 ft long across the entire width of this quarter, with a maximum width of 37.5 ft, with a minimum depth of 5.0 ft at coordinates N 55140 / E 613570 and N 557820 / E 615230.

Shoal along the right channel limit approximately 100 ft long, maximum width 30 ft with a minimum depth of 5.7 ft at coordinates N 554850 / E 613280 and N 554920 / E