

SHREWSBURY RIVER, N.J.

Condition of Improvement, 30 September 1986

EXISTING PROJECT (adopted 1919, 1935, 1950 and 1965) provides for:

A channel 12 ft. deep, 300 ft. wide, following the westerly shore from deep water in Sandy Hook Bay to a point 600 ft. south of the former location of the R.R. Bridge at Highlands. Length — about 2.2 miles.

A channel 9 ft. deep, 150 ft. wide, suitably widened at bends in the south branch of the river from a point 600 ft. south of the former location of the R.R. Bridge at Highlands to the Branchport Ave. Bridge at Long Branch. Length — about 6.8 miles.

A channel 6 ft. deep, 150 ft. wide, in the north branch of the river from the junction to Red Bank. Length — about 6.1 miles. A turning basin and anchorage in the vicinity of Red Bank, 6 ft. deep and about 19 acres in area; a channel in Claypit Creek, 6 ft. deep and 100 ft. wide from the 6 ft. curve in the North Branch to the head of the creek, a distance of about 1.0 mile; a channel in Oceanport Creek, 6 ft. deep, 100 ft. wide and 2.0 mile long from the channel in South Branch to the New York and Long Branch Railroad Bridge; and for a channel in Little Silver Creek, 6 ft. deep, 100 ft. wide and 1.6 miles long from the channel in South Branch to the Seven Bridge Road Bridge.

An inlet channel across the bay of Sandy Hook Peninsula connecting the Atlantic Ocean with the Shrewsbury River; the ocean channel to be 15 ft. wide and 750 ft. in length protected by parallel jetties spaced 50 ft. apart and through the land cut to be protected by bulkheads; thence a bay channel 9 ft. deep, 200 ft. wide and 2,700 ft. in length extending to the Shrewsbury River Channel. The new inlet is to be spanned by a six-lane fixed highway bridge having a vertical clearance of 35 ft. above mean high water and a total length of 1,560 ft.

LOCAL COOPERATION ON 1965 AUTHORIZATION: Coordination was effected with the local interests. New Jersey requested discontinuance of project in March 1971.

PROGRESS: The project is about 30% complete. The work remaining to be done consists of dredging the turning basin and anchorage in the vicinity of Red Bank, and the channels in Claypit, Oceanport and Little Silver Creek as authorized by the River and Harbor Act of May 17, 1950. Dredging an inlet channel across the base the Sandy Hook protected by jetties and bulkheads, a bay channel extending to the existing Shrewsbury River Channel and a sixlane fixed highway bridge to span the new inlet as authorized by the River and Harbor Act of October 27, 1965.

SHREWSBURY RIVER, N.J. (cont.)

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Hydraulic Model Tests were started in March 1968, at WES to determine the effect the new channel would have on existing environmental conditions. The model tests were completed in June 1970 and results indicated that there would not be significant effects on existing environmental conditions. Further planning, however, was discontinued at the request of the New Jersey Department of Environmental Protection. The coordinating agency, by letter of 19 March 1971, stated that the project was contrary to good environmental policy.

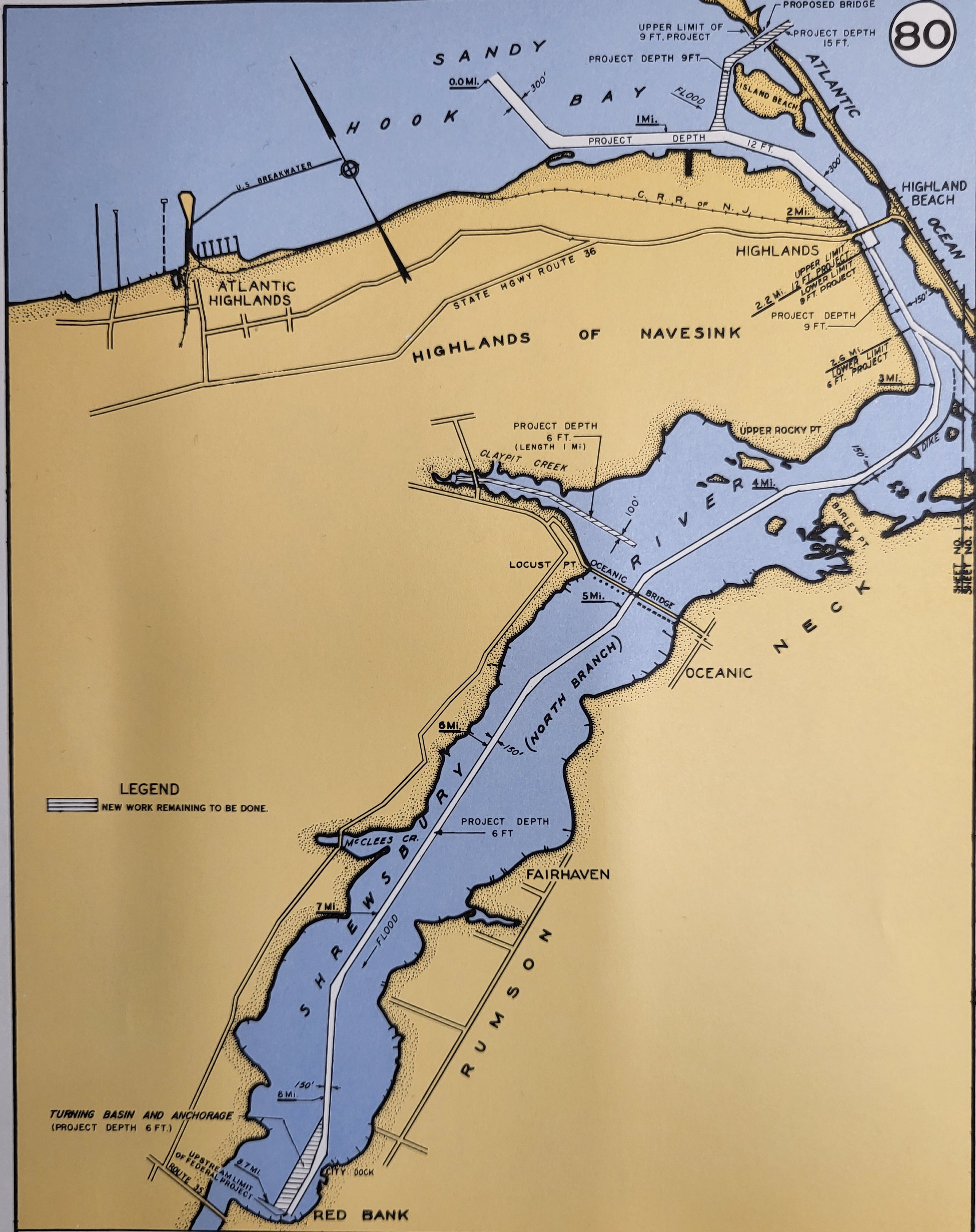
TIDAL DATA:	At Normandie	At Seabright	At Branchport
Mean Tidal Range	2.8 ft.	1.5 ft.	1.7 ft.
Mean Range at Spring Tides	3.4 ft.	2.1 ft.	2.2 ft.
Extreme High Tide	+ 8.6 ft. (MLW) 9/14/44	+ 7.9 ft. (MLW) 9/21/38	+ 8.8 ft. (MLW) 7/17/40
Extreme Low Tide	- 1.7 ft. (MLW)*	- 1.6 ft. (MLW) 12/28/38	- 1.6 ft. (MLW) 3/19/40

(Means based on 6½ mos. 1938-39 13 mos. 1937-39 3 yrs. 1937-41)

	At Highlands	At Red Bank
Mean Tidal Range	3.8 ft.	3.0 ft.
Mean Range at Spring Tides	4.7 ft.	3.6 ft.
Extreme High Tide	+ 11.5 ft. (MLW) 9/12/60	+ 9.3 ft. (MLW) 11/25/50
Extreme Low Tide	- 1.9 ft. (MLW) 3/24/40	- 1.3 ft. (MLW) 12/9/39

(Means based on 3½ years 1938-41 2 years 1939-41)

*Estimated



LEGEND

NEW WORK REMAINING TO BE DONE.

DATUM PLANES

(MAIN CHANNEL)
M.L.W. (SANDY HOOK BAY TO HIGHWAY BR.) = 2.3 TO 1.9 FT. BELOW M.S.L.
M.L.W. (HIGHWAY BR. TO NORMANDIE) = 1.7 TO 1.3 FT. BELOW M.S.L.
(NORTH BRANCH)
M.L.W. (NORMANDIE TO RED BANK) = 1.2 TO 1.1 FT. BELOW M.S.L.
(SOUTH BRANCH)
M.L.W. (NORMANDIE TO SEABRIGHT) = 1.1 TO 0.7 FT. BELOW M.S.L.
M.L.W. (SEABRIGHT TO BRANCHPORT) = 0.5 TO 0.4 FT. BELOW M.S.L.

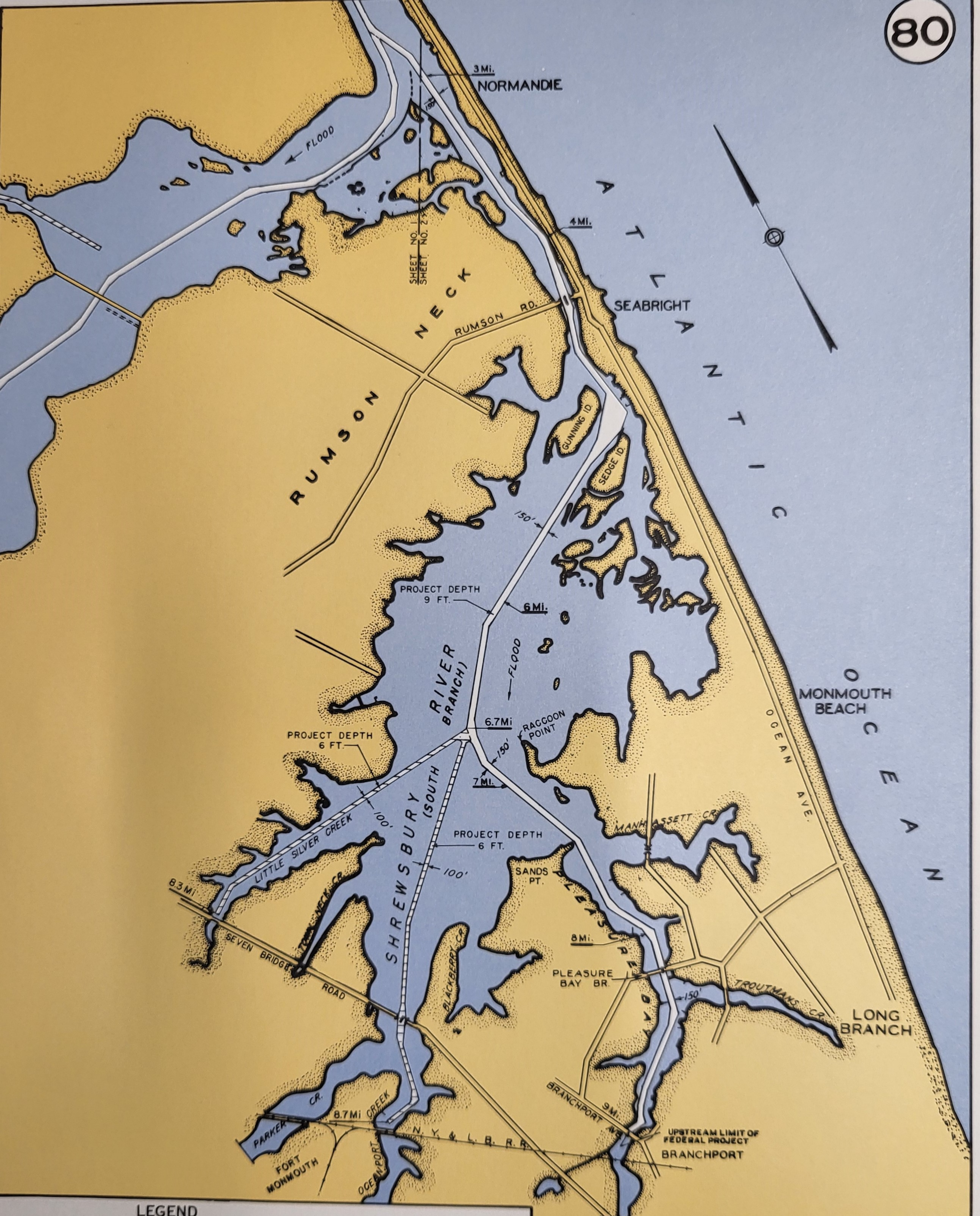
SHREWSBURY RIVER, N. J.

30 SEPTEMBER 1986

SCALE OF FEET

1000 0 2000 4000

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
NEW YORK, NEW YORK



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