1884

U.S. ENGINEER OFFICE
PROVIDENCE, R.I.
MAPS
MARKED 21106 SHEET
CASE

U.S. ENGINEER OFFICE
B.I. 1/92
NEWPORT, R.I.

SHEET 1.

BLOCK ISLAND HARBOR, R.I.

SURVEYED UNDER THE DIRECTION OF

LIEUT. COL. GEO. H. ELLIOT, CORPS OF ENGINEERS U.S. ARMY.

BY

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ASSISTED BY

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AUGUST 1884

SCALE 1" = 100'.

NOTE – The soundings are expressed in feet and tenths and are reduced to mean low water, and contours are drawn for each 3 feet. Mean rise and fall of tide is 3.05 ft. The bench mark is a granite post distant from the N.W. corner of stone house about 40 ft. it is marked "U.S." and is 17.898 ft. above mean low water. The base is measured along the shore, west of the basin and is 525.3 ft. in length, it is indicated on the map by stations A and B. Station A is 352.88 ft. south of north face of crib, the line being parallel to and 5 ft. back from the west face of crib. Sta. B is 113.1 ft. northerly from N.E. corner of Pagnat House.

The basin was dredged to 9 feet at mean L.W. in 1879. The 9 ft contour on this map shows to what extent it has filled since then (see same curve on Sheet 2)

Thirty two borings were made in the basin See Sheets 3, 4 and 5. Seven borings were made in the cove west of the basin, and are indicated on this sheet by blue circles lettered A to G inclusive See table of borings.

A. Hard clay and bowlders 4.0'	E. Hard sand 3.5' sand & bowlders, 1.5'.
B. " " " " 5.0'	F. Fine sand underlaid with bowlders 3.0'
C. Hard sand & cobbles underlaid with large stone & Hard clay 9.0'	G. Loose sand and gravel underlaid with hard clay 4.5'.
D. Loose sand & gravel 1.5' to bowlders	

Heigh and Low water marks were determined by instrumental survey from the east side of basin to a point 100 feet south of the stone jetty built in 1873.

The contours are shown as follows

3 ft. contour is in broken Green
6 " " " " full "
9 " " " " broken Red
12 " " " " full "
15 " " " " broken Blue
18 " " " " full Blue