

3981

Diag. Chy. No. 1208-2 & 1210-2

U.S. COAST AND GEODETIC SURVEY
DET. 11
Abr. No.



Form 504
 DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: *Mass*

11-5013

DESCRIPTIVE REPORT

Hyd'c Sheet No. *3981*

LOCALITY:
*Bay and
 Pond approach*

1917

CHIEF OF PARTY:
E. B. Sathum

col. 12611

1883

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

The finished Hydrographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. **3981** A

State **Massachusetts**

General locality . **Buzzards Bay,**

Locality **Cape Cod Canal approach.**

Chief of party . . **E. B. Latham.**

Surveyed by . . . **E. B. Latham.**

Date of survey . . **September 1917.**

Scale **1 to 5000.**

Soundings in . . . **Feet.**

Plane of reference . . **Mean low water.**

Protracted by . **GRHartley.** Soundings in pencil by **GRHartley**
in part a^{key} balance J.D.Torrey in part a^{key} balance J.D.Torrey

Inked by *J. D. Torrey* Verified by

Records accompanying sheet (check those forwarded):

Des. report, Tide books, Marigrams, Boat sheets,

5 Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet *B. Statistics*

Remarks:

Descriptiv Report Hydrographic Sheets 3980 and 3981

These sheets are a close development of the approaches to the Cape Cod Canal, at the head of Buzzards Bay, Massachusetts. Lines are approximtely 39 meters apart, and the depths are probably as good as can be developed with the lead. Dragging the area below Wings Cove to a connection with the drag work already done in this locality, is suggested for consideration, as there my be boulders in this area, dropped from the scows when the the dredging for the canal was done.

Four detached rocks were located, the lead indicated the presence of foul bottom, and the rocks were located by stopping the boat and the least depth determined by sighting the rocks. Weather conditions was unfavorable, but the depths are within one foot of the true values. Each cast of the lead was checked by another than the leadsman. All cast approaching great changes in depths was checked by an officer. A blue print of the results of a survey by the Engineer Corps U.S.A. made in 1917, in the vicinity of Mashnee Island, is submitted herewith and is to be considered a part of these sheets.

Tidal reducers are from the staff in Back River for both sheets. The published time and range of tides fro thid region, indicate that the values used are good.

E. S. Atham

Chief of Party, C & G Survey

Pls. 11591 - 11592 + letter 316 (1917).

Table of Statistics.

Sheet (A.) 3981

Volume No.	Date	Day	Miles	Soundings	Angles
1	Sept. 11	A	16.8	1012	248
	14	B	8.3	710	142
Total for Volume 1			25.1	1722	390
2	15	C	8.1	574	138
	19	D	10.2	871	181
	21	E	4.0	369	116
Total for Volume 2			22.3	1814	435
3	21	E	4.2	316	90
	22	F	6.0	470	114
	25	H	6.5	511	116
Total for Volume 3			16.7	1297	320
4	25	H	3.0	230	58
	26	I	9.1	906	200
	27	J	9.0	905	316
Total for this Volume 4			21.1	2041	584
Total for Volume 5	27	J	2.2	147	40
Total for Sheet A			87.4	7021	1749

ADDRESS
U. S. COAST AND GEODETIC SURVEY
WASHINGTON, D. C.

REFER TO NO.

5-VEC

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

November 20, 1917.

U.S.S.
HYDROGRAPHY, ETC., (HT)

LIBRARY
Place with descriptive report
of hydrographic sheet No. 3981

J.P.A.
Drawing Section.

Division of Hydrography and Topography (HT): *HCP*

Division of Charts (HT): ✓

Tidal reductions are approved in
5 volumes of Sounding records for

HYDROGRAPHIC SHEET 3981

Buzzards Bay, Massachusetts.
E.B. Latham in 1917

Plane of reference is
Mean low water, reading

2.9 ft. on tide staff at
Back River Entrance.

Paul Schureman

Acting Chief, Section of
Tides and Currents.

Rec Records. appld thru chat 251 12/1/61

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