



3980

Diag. Ch't. Nos. 1208-2 & 1210-2

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

State: *Mass*

11-5813

DESCRIPTIVE REPORT.

Hyd'c Sheet No. *3980*

LOCALITY:

Buzzards
Bay, Cape
Cod Canal &
Approaches

1917

CHIEF OF PARTY:

E B Satham

3980

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. 3980 B

State Massachusetts

General locality Buzzards Bay

Locality Cape Cod Canal and approach thereto

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 EBLatham . Soundings in pencil by EBLatham in part

Inked by J. U. Torrey Verified by J. U. Torrey

Records accompanying sheet (check those forwarded):

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

3 Sounding books, Wire-drag books, Photographs.

Data from other sources affecting sheet Blue print of survey
by the U S Engineers. Tracing at junction of sheets A and B

Remarks:

file with 3980

Descriptivr 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 approximztely 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 may 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. B. Satham

Chief of Party, C & G Survey

Reps. 16571 + 16572. (letter 316-1917)

Table of Statistics.

Sheet **3980**

Volume No.	Date	Day	Miles	Soundings	Angles	
1	Sept.	4	A	8.3	443	162
		5	B	4.0	341	100
		7	C	12.0	675	174
Total for Volume 1			24.3	1459	436	
2		7	C	4.3	296	64
		12	D	7.8	403	110
		13	E	11.9	630	240
Total for Volume 2			24.0	1531	434	
3		14	F	1.0	98	28
		19	G	2.5	122	32
		20	H	4.4	319	92
Total for Volume 3			7.9	529 ³	152	
Total for Sheet B			56.2	3579 ²	1022	

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

REFER TO NO.

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

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

FIELD RECORDS (H)

CHARTS (H)

LIBRARY
Place with descriptive report
of Hydro. 1917
November 1917
Hydrographic sheet No. 3980
J.S.J.
Drawing Section.

Chief, Division of Hydrography and Topography:

Chief, Division of Charts:

Tidal reductions are approved in
3 volumes of Sounding records for

HYDROGRAPHIC SHEET 3980

Cape Cod Canal, Buzzards Bay, Mass.
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.

1210 Route 12/161 this street 201 202