

3406

C. & G. SURVEY  
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Sheet No.

*See Hyd. 3493*

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State: *Mass*

DESCRIPTIVE REPORT.

*3406 Hyd. Sheet No. 3406*

LOCALITY:

*Boston Harbor*

1912

CHIEF OF PARTY:

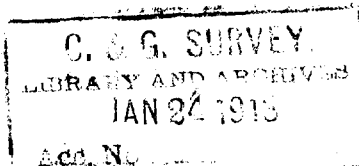
*P. C. Whitney*

11-4645

3406

*4-16-100-710*

Hyd. 3406.



Locality: Boston Harbor, Mass.

Special Locality: Channel around southwest end of Peddocks Island.

Boat Used: Whaleboat, P.C. Whitney, Assistant, in charge.

Vessel: Steamer Hydrographer, P.C. Whitney, Assistant, Commanding.

Dates: September 26, to October 11, inclusive, 1912.

Scale: 1/5000

Descriptive Report  
to accompany  
Hydrographic Sheet 3406.

3406

Channel around southwest end of Peddock's Island, Boston Harbor, Mass.

September - October 1912

Paul C. Whitney

Chief of Party

Scale 1/5000

The hydrography on this sheet includes the ship channel around the south-west end of Peddock's Island, Boston Harbor, and down toward Weymouth Fore River, to secure a junction with the work of the Army Engineer's in 1903, a copy of the report of their survey accompanying this paper.

The survey was made to discover the feasibility of using this as a ship channel from Weymouth Fore River, in preference to that through Nantasket Gut.

The signals used depend upon a sextant triangulation, executed by this party, the locations being obtained by plotting the angles graphically on the smooth sheet, using Hangmans Ledge Beacon - Pig Rock Beacon as a base. The angles observed are found recorded in Volume 1, page 57, of the sounding records. No further descriptions of the signals erected were made, they being temporary ones, sufficient for the survey only. A new wharf on Nut Island, on which Nut is located, is plotted on the smooth sheet and the wharf now shown on the charts should be erased. After the survey was made spar buoys were established by the Light House Service, to mark this channel; these buoys

were located by this party and are plotted on the smooth sheet, the angles being recorded in Volume 1, sounding records, page 61.

As this survey was made to obtain a fuller knowledge of the channel named, the soundings were extended only to the edge of the flats on either side and did not cover any of the shoal water areas. The survey is of sufficient density for the purpose intended.

With the buoys as placed, the passage through this channel needs no comment.

Tides were read at Lovell's Island, the Engineer's Bench Mark being recovered, and a staff was erected, coinciding with one established by them. Information is obtained in the Tidal Record.

Two volumes of sounding records and one volume of Tidal records accompany this sheet.

Respectfully submitted

*Paul C. Whitney*  
Ass't., C. & G. Survey,

Commanding.

Object and description	Latitude o ' "	D.M. meters	Longitude o ' "	D.P. meters	Remarks
Flag, outer end of wharf "Gin"	42 18	1104	70 57	172	S'ly end Rainsford Id.
Banner nailed to piling "Tick"	42 18	223	70 56	135	NW'ly end Ped. Id.
Hangman's Ledge Beacon "Con"	42 17	1380	70 57	899	
Banner on beach Peddock's Id. "Bo"	42 17	821	70 56	1370	S'ly end of Id.
" " hill " " "Pet"	42 17	741	70 56	1198	" " " "
Shanty on Peddock's Id. "Lone"	42 17	694	70 57	10	Outer gable
Banner on beach "Head"	42 17	182	70 56	425	S. end Princess Head Id.
Banner on beach "She"	42 16	1563	70 55	802	W'ly end Sheep Id.
Banner on Coal bin "Nut"	42 16	1505	70 57	195	End wharf, Nut Id.
Flag pole on Club Ho. "Pole"	42 16	613	70 57	0	E'ly side Houchs N
Banner on beach "Gap"	42 16	260	70 56	792	W'ly end Grape Id.
Pig Rock Beacon "Fig"	42 16	1352	70 56	519	
House on W. end Ped's I. "Ho"	42 18	822	70 57	654	Center

List of  
Statistics

of  
Hydrographic Sheet.

Channel around southwest end of Peddock's Id. Boston Harbor, Mass.

Date, 1912	Letter	Vol.	Posi- tions	Sound- ings	Miles	Boat
Sept. 25	a	1	162	801	15.6	whale boat
" 27	b	1	174	677	13.8	"
" 28	c	1	119	501	8.2	"
" 30	d	2	68	344	5.8	"
Oct. 2	e	2	66	307	6.3	"
" 10	f	2	148	754	12.2	"
" 11	g	2	108	388	7.4	"
			845	3772	69.3	

Note: Plane of reference, reading on gauge----- O.C feet  
Tides observed at Engineer Reservation, Lovell's Id. Boston Harbor.

VEC  
Feb. 5, 1913.

HYDROGRAPHIC SHEET 3406.

Vicinity of Peddocks Island, Boston Harbor, Mass.,  
by Asst. Paul C. Whitney in 1912.

TIDES.

	Lowells Island ft.
Mean low water, or plane of reference on staff	0.0
Lowest tide observed " "	-0.7
Highest " " " "	10.9
Mean range of tide	9.1

~~Coast and Geodetic Survey~~

FEB 5 1913

TIDAL DIVISION

Department of Commerce and Labor

Hyd. Sheet #3406.

The hydrography of this sheet includes the Ship Channel around the Southwest end of Peddock's Island, Boston Harbor, and down toward Weymouth Fore River.

The survey is of sufficient density, and with the exception of two or three spots, the development is fairly good. Angles, throughout the survey, have been taken at frequent intervals, and the crossings, as a rule, are very good.

The positions were plotted by the Field Party, and after checking a sufficient number in different parts of the survey, were accepted as correct. A number of soundings appeared to be doubtful, and being of no special importance, were rejected.

J. B. Shklar  
Feb. 15 - 1913.

Verified; Feb. 1913.  
R. L. Johnston

Soundings are shown in feet.