

2519

Dis. Chart No. 9380

2519

Form 504 Ed. June, 1928	
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY	
....., Director	
State: <u>Alaska</u>	
DESCRIPTIVE REPORT	
Hydrographic Hydrographic	Sheet No. 2519
LOCALITY	
<u>Port Clarence and Grantley Harbor</u>	
1900	
CHIEF OF PARTY	
<u>J. F. Pratt</u>	

(Title and 4 Pages.)

U.S.COAST AND GEODETIC SURVEY,
DR. HENRY S.PRITCHETT, SUPERINTENDENT.

DESCRIPTIVE REPORT
OF THE
HYDROGRAPHY OF
FORT CLARENCE
AND
GRANTLEY HARBOR,
ALASKA.

SCALE: 1/40,000.

BY THE PARTY UNDER THE CHARGE OF
J.F. PRATT, ASSISTANT,
COM'D'G U.S.C. & G.SURVEY STEAMER PATTERSON.
SEPTEMBER, 1900.

DESCRIPTIVE REPORT
HYDROGRAPHIC SHEET, SCALE: 1/40,000-
ENTRANCE TO GRANTLEY HARBOR,
ALASKA.

SURVEYED BY THE PARTY ATTACHED TO THE U.S.C & G. SURVEY
STEAMER PATTERSON
IN
SEPTEMBER, 1900.

The geographical positions are-

from the triangulation made by
R.B. Derickson and H.W. Rhodes, Aids in this party during September,
1900.

The shoreline is from-

a topographic survey by J.F. Pratt, Ass't
during September, 1900.

The hydrographic points were determined topographically.

The boats used were-

the U.S.S. Patterson, and the U.S.C. & G.S.
Launches Vixen and Reynard.

The observers were-

J.F. Pratt, Assistant;
W.G. Appleton, 1st. W.O.;
W.I. Eisler, 2nd. W.O.;

A.L. Giacomini, Chief Yeoman, U.S.N;
C.E. Morford, Recorder.

The recorders were-

H.T. Powell, Chief Engineer;
F.H. Thompson, Ass't Surgeon;
A.E. Brisman, Yeoman 1st. Class, U.S.N.

The Datum Plane-

is low water as determined from selected lower low waters as observed at Tapkok Tidal Station and carried by water-levels through the Nome Tidal Station to Port Clarence.

The entrance to Grantley Harbor is surveyed on a scale of 1/10,000 and plotted on a separate sheet.

A handwritten signature in cursive script, appearing to read 'J. J. ...', is written over a horizontal line. The signature is positioned above the typed name and title of the Chief of Party.
Assistant, U.S.C. & G. Survey,
Chief of Party.

2519

(Title to Sheet.)

U.S. COAST AND GEODETIC SURVEY,
HENRY S. PRITCHETT, SUPERINTENDENT.

~~HYDROGRAPHY~~

~~OF~~

1 PORT CLARENCE

~~AND~~

2 GRANTLEY HARBOR,

3 ALASKA.

Scale: 1/40000

~~By the~~

~~Party under the charge of~~

J.F. Pratt, Assistant. *Chief of Party*

Shore line from Planetable survey by R.L. Faris, Assistant.

Geographical position from Triangulation by J.F. Pratt, Ass't;

R.B. Derickson and H.W. Rhodes, Aids.

Astronomical position from observations at Point Spencer.

Observers:

J.F. Pratt, Ass't; W.G. Appleton, 1st. W.O.; W.I. Eisler, 2nd. W.O.;

A.L. Giacomini, Chf. Yeo., U.S.N.; C.E. Morford, Recorder.

*Photographed
Verified: June 1901, by H.C. Willenbucher*

Soundings less than three fathoms are expressed in feet, all others in fathoms.

The Plane of Reference is low water determined from selected lower low waters as observed at the Tapkok Tidal Station and carried by water-levels through Nome to Fort Clarence Tidal Station.

The 3-fathom curve is shown in blue.

The 6-fathom curve is shown in red.

Generally the tides in this locality are diurnal, i.e., only one high and one low water occur each day. They are largely influenced by winds, prevailing Northerly weather greatly retards and diminishes them, while Southerly weather has the opposite effect.

The mean rise and fall is about 2.1 feet.

The extreme rise and fall is about 6.8 feet.

*Recommended for approval,
Assistant Inspector of Charts.
Assistant Inspector of Hydrog. and Topog.
Assistant in charge of office*
Approved
Superintendent

Register No 2519.

STATISTICS FOR HYDROGRAPHIC SHEET
PORT CLARENCE AND GRANTLEY HARBOR.

SCALE: 1/40,000.

Date 1900	Letter	Vol	Ang. & Pos.	Sndgs	Naut. Miles	Vessel	Observers:
Sept. 20	w ✓	4	99	518	47.5	Patt.	J. F. Pratt, Asst, Com'd'g.
Sept. 21	x ✓	4	123	624	63.8	(Red.)	W. G. Appleton, 1st. W.O.
Sept. 22	y ✓	4	23	128	13.7		W. I. Eisler, 2nd. W.O.
Sept. 27	z ✓	4	56	293	27.0		A. L. Giacomini, Chf. Yeo., U. S. N.
Sept. 28	A' ✓	4	67	375	37.0		C. E. Morford, Recorder.
Oct. 5	B' ✓	5	28	128	11.5		
Totals,	6	2	396	2066	200.5		Recorders: H. T. Powell, Chf. Eng.
Sept. 20	f ✓	4	71	592	25.0	Reyd.	F. H. Thompson, A. Surg.
Sept. 21	g ✓	4	23	178	8.5	(Green)	A. E. Brisman, Yeo. 1 st Cl., U. S. N.
Sept. 22	h ✓	4	89	975	33.5		
Sept. 24	i ✓	5	7	65	4.0		Leadsman: The crew of the Star.
Sept. 27	j ✓	5	73	605	21.5		Patterson rotated in watches,
Sept. 28	k ✓	5	76	785	25.75		except in the launches where
Totals,	6	2	339	3200	118.25		the following men were regu- larly detailed: J. A. Carlson, Sea. W. Andersson, Sea. V. E. Fisher, Sea. J. Johanson, Sea.
Aug. 30	s ✓	6	59	545	16.0	Vixen	
Aug. 31	t ✓	6	75	800	21.9	(Blue)	
Sept. 1	u ✓	6	58	520	14.26		
Sept. 22	g' ✓	10	55	525	25.0		
Totals,	4	2	247	2390	77.16		

RECAPITULATION.

essel	Letter	Vol.	Angles & Pos.	Soundings	Nautical Miles.	Square Miles.
Patterson	6	2	396	2066	200.50	
Reynard	6	2	339	3200	118.25	
Vixen	4	2	247	2390	77.16	
Totals,	16	6	972	7656	395.91	210

2519

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Sheet 2519:

Drawn by
WWD
7-1-1901

Ar & Eng Div
C.B.
6/29/01

This sheet is verified and ready for lettering.

Particular attention is called to the discrepancy in the P. of R.

The note relating to it should be placed very prominently on the sheet.

W.C.W

To Architect in charge
G. Bradford
Insp. of Charts
25
6.20.01

June 20, 1901.

Mr Duffield

omit the note
~~but~~ the note
name of reference
but call attention
to when the sheet
is checked

C.B.
6/29/01

No. 17. TREASURY DEPARTMENT

