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1902

# 2604

Diag. Cht. 9302.

Treasury Department,  
U. S. COAST AND GEODETIC SURVEY.

*J. N. Pittman*  
Superintendent.

State: *Alaska*

U. S. C. & G. SURVEY,  
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## DESCRIPTIVE REPORT.

*Hydrographic Sheet No. 2604*

LOCALITY:

*Reconnaissance in Bering  
Sea, bet. Dutch Harb. & St. Michael  
touching Nunivak I. &  
Lawrence Is.*

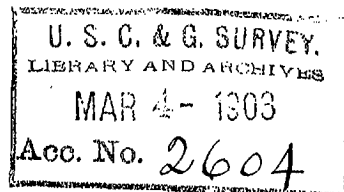
1902

CHIEF OF PARTY:

*J. G. Pratt.*

# 2604

2604



(Title and 3 pages.)

U. S. COAST and GEODETIC SURVEY

O. H. TITTMANN,

Superintendent.

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DESCRIPTIVE REPORT

of

HYDROGRAPHIC RECONNAISSANCE SHEET

BERING SEA

between

DUTCH HARBOR and ST. MICHAEL

touching at

NUNIVAK and ST. LAWRENCE ISLANDS

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Scale:  $\frac{1}{1,000,000}$

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by

The Party under the Charge of

J. F. PRATT, Assistant,

Commanding U.S.C. & G. Survey Str. "PATTERSON"

August and September

1902.

STATISTICS  
for  
HYDROGRAPHIC SHEET.

BERING SEA

From DUTCH HARBOR to ST. MICHAEL, ALASKA,  
Via Nunivak and St. Lawrence Islands.

Scale: 1/1,000,000.

Date 1902	Letter	Vol	Number of		Miles Naut.	Vessel	Observers.
			Ang. Sndgs & Pos.				
Aug. 4	A	I	18	17	90.40	"Patt." (Red)	Work done by and under the personal direction of Captain J. F. Pratt, Ass't, Commanding.
" 5	B	I	24	24	163.40		
" 6	C	I	8	3	19.40		
" 13	E	I	16	16	117.60		
" 14	F	I	16	10	74.80		
" 24	G	I	15	10	79.90		
" 25	H	I	22	19	130.70		
" 26	I	I	25	19	165.30		
" 27	J	I	14	17	51.90		
" 28	K	I	23	23	98.40		
" 29	L	I	24	24	156.10		
" 30	M	I	7	3	83.00		
Sept. 3	N	I	7	2	66.15		
" 4	O	I	24	24	191.85		
" 5	P	I	18	13	116.65		
" 7	R	I	18	18	59.90		
" 8	S	I	25	25	110.40		
" 9	T	I	21	21	148.65		
" 10	U	I	24	19	105.55		
" 11	V	I&II	24	19	132.00		
" 12	W	II	24	24	61.35		
" 13	X	II	4	4	84.15		
" 14	Y	II	24	22	56.30		
" 23	Z	II	8	7	61.40		
" 24	A'	II	23	18	132.30		
" 25	B'	II	16	6	73.00		
" 27	C'	II	6	5	44.80		
" 28	D'	II	28	27	170.30		
" 29	E'	II	39	36	200.40		
" 30	F'	II	18	18	173.30		
Oct. 1	G'	II	2	0	138.00		
Total	31	2	565	493	3357.35		

DESCRIPTIVE REPORT  
HYDROGRAPHIC RECONNAISSANCE SHEET

Scale:  $\frac{1}{1,000,000}$

in  
BERING SEA  
between  
DUTCH HARBOR and ST. MICHAEL  
touching at  
NUNIVAK and ST. LAWRENCE ISLANDS  
Surveyed by the Party Attached to the U.S.C. & G. Survey  
STEAMER "PATTERSON"  
in  
August and September  
1902.

—o—

This Hydrographic Reconnaissance was executed with the U.S.S. "PATTERSON" at intervals when weather and local conditions would permit, in conjunction with the Chronometric Longitude determinations of Cape Mchican, Nunivak Island and North East Cape, St. Lawrence Island, Bering Sea.

The positions in the vicinities of Nunivak, St. Lawrence and St. Michael Islands were obtained from natural objects that have previously been determined. The positions in the

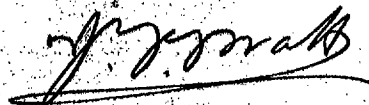
(Title and 3 pages.)

Page 3.

open sea are from solar observations and dead reckoning.

The soundings are not reduced for tide.

The projection and office work were executed by Don R.  
Jewell, Aid.

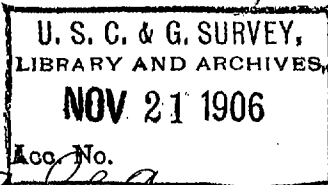


Assistant, U.S.C. & G. Survey,  
Chief of Party.

To be filed with Description

2604

Department of Commerce and Labor



Hyd. Sheet 2604 Bering Sea

Extracting and Plotting on chart  
9380 = line from Pos 8 G to Pos 12 N. day

Positions 2-5-7-10-11 are located  
by angles to objects on shore. Pos. 7 + 8 having  
the same time 1<sup>h</sup> 46<sup>m</sup> P.M. are assumed  
to be in the same place. Pos 11 has crater  
recorded for its left hand object. either Stewart  
Mt or West Mt may have been used.

A log reading is given at Pos 8, and  
the course is changed to  $562^{\circ}$  N.

Using Pos 8 G as a starting point and  
plotting with course and log readings as  
given pos 12 N day, (located with objects on shore)  
was reached as shown by Red line. Adjusting  
for error in course and distance, the true  
line from Pos 8 G to Pos 12 N. is shown in Black,  
which practically agrees with the field plotting.  
The course as given from Pos. 8 G. will not reach

Department of Commerce and Labor

Pos. 10 and 11 G. No mention is made of a change in course at either pos 10 or 11.

Using pos. 10 & 11 and then running out from pos 11. on course as given at pos 8 & 6. - pos 12 H is reached as shown by Scarlet and Yellow lines: Yellow when plotting pos 11 G with West Mt. and Scarlet when plotting 11 G with Stewart Mt. for left hand object. Adjusting these lines for error in course and distances the true lines are shown in Blue and Green.

The sounding of 4 fathoms as pos 12 G. as shown on original chart is not recorded.

Oct 24 1906.

J. P. Down

This report refers also  
to Hyd sheet # 2619 as  
the two sheets are so  
closely connected as to be  
practically one piece of  
work. W.W.D.

Report  
on  
Hydrographic Sheet No. 2604, 72619

Bering Sea.

Between Dutch Harbor and St. Michael,

Alaska.

Assistant Pratt.

1902.

A day begins at Dutch Harbor, "Priest Rock abeam 5 miles" is the note, pos. 4, 10 day the shore of Nunivak Id. is reached, this note is made, "P. 452. 2 change course to N. 70° W." The line is run N.W. up the coast to pos. 8 with this note: "Anchored in 7 fathoms water; this course is not tied up at this end. From the depth of water at anchorage and observed position, the ship's final position has been placed as shown on the Nunivak Id. Hyd. Sheet."

The beginning of this line is uncertain. There is nothing but the course to show what part of the Nunivak Id. first reached (pos. 4), and no result of the observations to locate the anchorage at pos. 8 was recorded in Sounding Book. It is not possible to locate pos. 8 from the records, therefore the position on the sheet must be taken as the correct one.

Day begins near N. E. Cape, St. Lawrence Id. with this note: "In plotting this course run from a known position to another," and at the end of the line; "No log at the end of this line of soundings, they were plotted by the speed of the vessel shown in the positions just preceding." This line ends near the beginning, but there is nothing in the records to show the exact position of the beginning or end of the line, although angles could have been taken with objects on shore. Line pos. 1, 1 day (located by angles) to 14 m. day, with this note: "This course is not tied down at this end of the line, pos. 14 was placed as shown on the Bering Sea Hyd. Sheet." Anchored at pos. 21, 2 day and currents were observed, but no record of the location or depth at anchorage given.

Line 1 R to 5 T. 1 R day is located by angles. At 5 T day this note: "As this course is not tied up, the final position was placed as shown on the Bering Sea Hyd. Sheet."

Line begins at 5 T and ends at 18 U and begins again at 19 U without any recorded means of locating these two positions, and ends at St. Lawrence Id. with this note: "As this course is not tied up at this end, the ship's position



ion has been placed as shown on the Bering Sea Hyd. Sheet to the leeward of N. E. Cape."

Line begins at 19 v day passes West End of Nunivak Id. towards Dutch Harbor and ends at pos. 24, Y day. Located by course and distance by P. Log.

Line Z day begins without any recorded means of location, but end at ~~day~~ a' day located by angles.

J. C. D.

