2700

Diag. Cht. No. 8864-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey HYDROGRAPHIC

Field No. *Office No.* H-2700

LOCALITY

State ALASKA

General locality KISKA HARBOR

Locality

194 04

CHIEF OF PARTY

J. F. Pratt

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DATE DECEMBER 20, 1904

B-1870-1 (1)

2700

Department of Commerce & Labor,
Coast and Geodetic Survey
O. H. Tittmann.
Superintendent.

U. S. C. & G. SURVEY,
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DEC 20 1904
Acc. No.

Kiska Harbor
Alaska

Hydrographic Sheet
of
Kiska Harbor and Entrances
Alaska
Executed during
July August and September
1904
By the Party attached to
the
U. S. S. Patterson
J. F. Pratt. Assistant
commanding

To accompany Hydrographic Sheet
of Kiska Harbor Scale 10.000

Hydrographic Sheet.
Kiska Harbor
Alaska.
Scale 1/10000

The table of statistics giving, in sequence, dates on which soundings were made, the colored letter days, the volumes, number of soundings, number of angles, number of nautical miles, boats used, names of observers and tidal data is printed on the sheet.

(2) The sounding records comprise the following
2 Volumes with Whaleboat No 1
11 Volumes with Steam Launch Viper

(3) The total number of soundings are 11257
" " " " Angles are 8638
" " " " Nautical Miles are 339.6
" " " " days were 32.

(4) Tides were continuously recorded for 74 days with Self-registering Tide-Gauge No 69

(5) Due to adverse weather conditions soundings were made during only

39 percent of the time that the party was on the working ground.
(6) The longitude of the Astronomical Station is derived from one half of a round trip of the Pattersons chronometers between Unalaska and Kiska (During the past two or three years the better ones of the Pattersons chronometers have been, one by one, ordered away from her. the performance of those remaining is not as good as desired)
(7) The latitude of the Astronomical Station is adopted from the results with a meridian instrument. from the observation of a single pair of stars one of which has a weak catalogue value.
(8). The Azimuth of the work is derived from the azimuth factor of the transit observations for time and is undoubtedly the strongest feature of the astronomical work.
(9) During the 81 days that the party was on the working ground. on

only three nights was it possible to make astronomical observations and those were cloudy ones which made the work unsatisfactory.

(10) The Base was measured by the party of Assistant-Keller commanding the U.S.S. McArthur.

(11) The Geographical Positions of the points is from a triangulation executed during the season by the party allocated to this Patterson

(12) During the time that the soundings were made, east of the meridian of North Head there was almost always a swell or a chop sea running.

(13) With flood tide there are tide rips on the northerly side of Juan de Fuca Strait; while during the ebb they are on the opposite side of the narrowest part of the Pass:- as usual the stronger the wind the more violent the rips.

(14) The weather conditions were adverse to field work. there being

almost continuously a combination of strong winds with fog.

(15) By direction of the Navy Department elaborate Meteorological observations were made under the direction of the Commanding Officer of the U.S.S. Petrel.

J. Yates Lt Comdg.

U. S. S. Patterson
Kahoolawe T. H.
November 27, 1904.



Statistics

Date		Hours	Number of Soundings	Miles	Boat
July	15	11	852	108	8.5	Whaleboat
	16	5	399	100	6.0	
	20	1	81	24	.3	
Aug.	7	4	186	50	3.2	
	8	4	796	216	12.0	
	9	2	528	242	11.5	
Sep.	10	3	374	270	5.0	
July	6	1	264	196	11.5	Launch "Fleet"
	7	1	239	168	9.3	
	10	1	383	286	15.0	
	11	1	358	274	8.3	
	12	1	92	64	2.8	
	13	1	423	316	14.0	
	13	1	291	244	10.3	
	14	2	302	210	13.0	
	17	1	373	296	11.8	
	19	1	242	176	5.5	
	20	1	289	240	6.4	
	23	1	320	206	11.3	
	24	1	256	206	7.6	
	26	1	334	264	9.7	
	27	1	350	320	12.5	
	29	1	293	226	13.8	
	30	1	403	282	10.2	
Sep.	1	1	393	306	13.2	
	2	1	370	282	11.2	
	3	1	319	260	8.8	
	4	1	382	436	15.4	
	5	1	359	295	9.2	
	9	1	420	324	20.0	
	14	1	450	352	16.8	
	15	1	372	324	12.1	
	16	1	305	239	12.0	
Totals		58	10,271	8438	325.0	

Observers
A.B.Foster Asst. Officer, in charge
John W.Kemper, Asst.
Paul C.Whitney, Asst.

Recorder
A.B.Pritman, Writer
Quarters
J.Johnsson, B.M.

Tides were recorded on an automatic tidegauge in Kiska Harbor from July 27 to September 22, 1904.
The Plane of Reference for the reduction of soundings is the mean of all the lower low waters observed each lunar day.
The highest water observed read 10.2 feet on the staff
The lowest " " " 0.0 " " " "
The mean range of MHW to MLW is 5.3 feet.
The greatest daily range observed was 9.0 feet.

Soundings are reduced for tide and give the depth in fathoms.
The 6 fathom curve is shown thus _____
" 12 " " " " " _____
" 30 " " " " " _____

Plotted, inked and lettered by H.J.Christensen, Draftsman

DEPARTMENT OF COMMERCE AND LABOR.
COAST AND GEODETIC SURVEY
O.H.TITTMANN, SUPERINTENDENT

KISKA HARBOR
ALEUTIAN ISLANDS
ALASKA

J.F.Pratt, Assistant, Chief of Party

U.S.S.PATTERSON

1904

Scale 1:10560

Assistant
Chief of Party

U. S. C. & G. SURVEY,
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JUN 3 - 1905
Acc. No. 6494
Hyd 2700



DEPARTMENT OF COMMERCE AND LABOR
COAST AND GEODETIC SURVEY.
O.H.TITTMANN, SUPERINTENDENT

KISKA HARBOR
ALEUTIAN ISLANDS
ALASKA

J.F.Pratt, Assistant, Chief of Party

U.S.S.PATTERSON

1904

Scale 1:6000

Draftsman

Assistant
Chief of Party

U. S. C. & G. SURVEY.
LIBRARY AND ARCHIVES
JUN 8 - 1905
c. No. 6494A

Hyd 2700


LITTLE KISKA ISLAND
LITTLE KISKA HEAD
EAST POINT
39' 00"
40' 00"
41' 00"
42' 00"
51° 57' 30"
57' 00"
56' 00"
55' 00"

U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES
JUN 8 - 1905
c. No. 6494B

Hyd. 2700.

Hyd Sheet No 2700

Department of Commerce and Labor

The soundings are good and the ground is well covered.

No soundings were taken when drag was used. When drag struck bottom the depth was plotted as 5 fms. (depth dragged) less the lift of drag, and corrected for tide.

With the exception of a few slight changes in the curves no corrections were necessary.

The records were kept in a satisfactory manner.

On two or three occasions the drag was fouled and the depth was not determined.

The Tide Reducers were taken direct from Telegrams.

H B Simons

May 27, 1905.

No. 5.
(Rev. 8-24-1903—500,000.)