

2701

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-2701

LOCALITY

State ALASKA

General locality NORTHERN APPROACHES TO

Locality KISKA HARBOR

1904

CHIEF OF PARTY

J. F. Pratt

LIBRARY & ARCHIVES

DATE FEBRUARY 1, 1905

B-1870-1 (1)

2701

U. S. C. & G. SURVEY,
LIBRARY AND ARCHIVES,
FFB 1-1905
Acc. No.

Department of
Commerce & Labor
Coast and Geodetic Survey
O. N. Lillmann
Superintendent

Kiska Island Alaska

Hydrographic Sheet

^{Northern}
Approaches to Kiska Harbor
Aleutian Islands.

Scale 1/20,000

Executed during
August and September
1904

By the Parties attached to the
U.S.S. McArthur. H. P. Ritter Ast Comdr
and

U.S.S. Patterson J. F. Pratt Ast Comdr
J. F. Pratt. Ast Chief of Expedition

^{Northern}
To accompany Hydrographic Sheet of
Approaches to Kiska Harbor.

Hydrographic Sheet
Approach to Kiska Harbor
Alaska
Scale 1/20000

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

(2) The sounding records comprise the following

2 Volumes with U.S.S. Thetis

1 Volume with Launch Reynard

attached to U.S.S. Patterson

(3) The total number of soundings are 522
" " " " angles are 944
" " " " naut miles " 139.0
" " " " days " 6.0

(4) Tides were continuously recorded for 74 days with self-registering

tide gauge No 69, in Kiska Harbor.
(5) The soundings give the depths in fathoms. Only the soundings in Funaduk Pass are reduced for tide as observed in Kiska Harbor.

(6) Due to adverse weather ~~condi~~ditions soundings were made during only 39 per cent. of the time that the party was on the working ground.

(7) The longitude of the triangulation stations on which this work is based is derived from one half of a round trip of the Patterson's Chronometer between Unalaska and Kiska.

(8) The latitude of the triangulation stations on which this work is based is derived from an ^xadjusted position. Subsequent observations indicate that it is about 20" low for north. Both latitude and Longitude are subject to a closer determination

(9) The Azimuth of the work is

derived from the azimuth factor of the transit observations of the ~~transit observations~~ for time and is undoubtedly the strongest feature of the astronomical work.

(10) The distance depend upon a base measured at the head of Kiska Harbor by the party of Assistant-Relief Commanding the U.S.S. McArthur.

(11) The geographical position of the points is from a triangulation executed during the season by the party attached to the Patterson.

(12) During the stronger portion of the ebb and flood tides tide-rips exist between Little Kiska Island and Tonak Island. Their severity as usual is influenced by the strength and direction of the wind.

(13) It would appear that the kelp is worn away in Luvadok Pass by the winter storms; but in the fall of the year just after the new crops have matured, at slack water it

comes to the surface the entire distance between Litch Kiska, and Fancadok Islands and is visible for about 20 minutes. During the remainder of the time it is towed under.

(14) The weather conditions were adverse to field work there being a great preponderance of strong winds with fog.

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

U.S.S. Patterson

Honolulu T H

December 30, 1904

J. J. J. J.
J. J. J. J.

DEPARTMENT OF COMMERCE AND LABOR
COAST AND GEODETIC SURVEY
GERTTSMANN, SUPERINTENDENT

APPROACH TO KISKA HARBOR ALEUTIAN ISLANDS

ALASKA

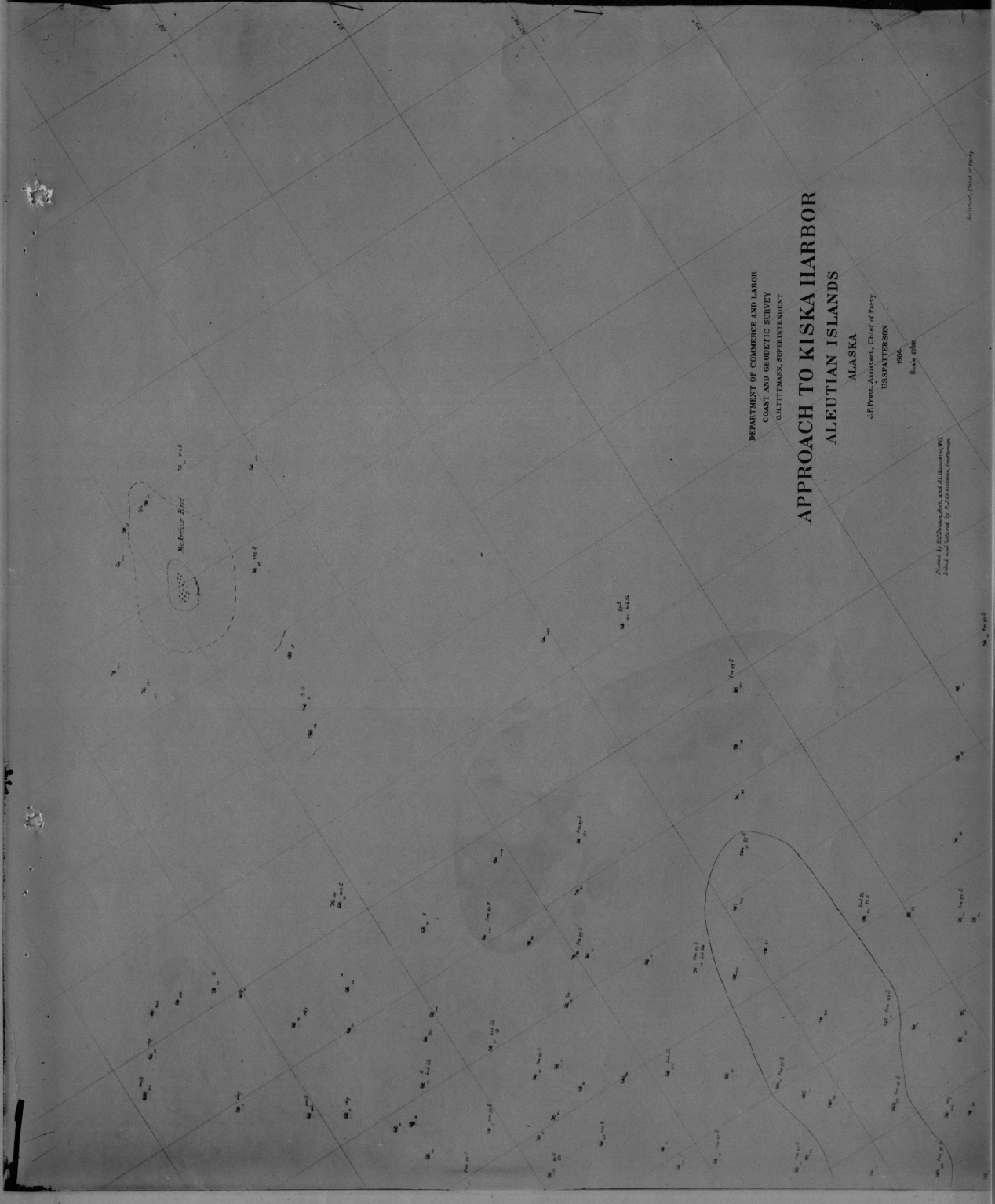
J.F. Pratt, Assistant, Chief of Party
USS PATTERSON

1904

Scale 1:100,000

Based on the observations of J.F. Pratt, Chief of Party,
USS PATTERSON, and J. J. Gerttsmann, Superintendent.

Assistant, Chief of Party



U. S. C. & G. C.
LIBRARY AND DOCUMENTS DIVISION
JUN 8 - 1964
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Hyd. 2701.

ALEUTIAN ISLANDS

ALASKA

J.F. Peck, Assistant, Chief of Party

CSS PATTERSON

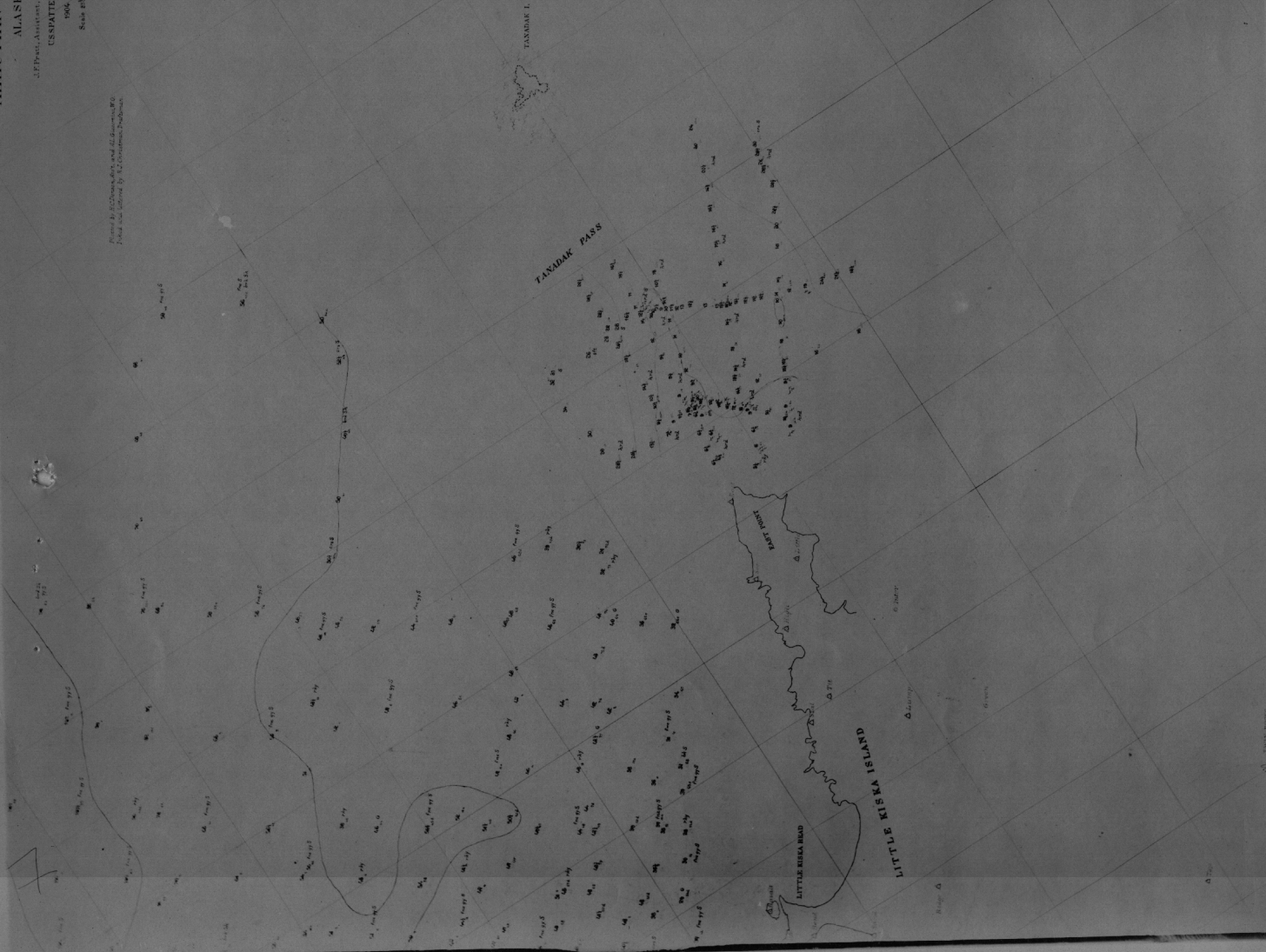
1904.

Scale 1:50,000

Revised by J.F. Peck, Assistant, Chief of Party, U.S. Coast and Geodetic Survey, 1904.

Assistant, Chief of Party

J.F. Peck



Date	Soundings			Total
	1	2	3	
August 21	67	138	202	407
" 22	67	138	202	407
" 23	67	138	202	407
" 24	67	138	202	407
" 25	67	138	202	407
" 26	67	138	202	407
" 27	67	138	202	407
" 28	67	138	202	407
" 29	67	138	202	407
" 30	67	138	202	407
Sept. 1	67	138	202	407
2	67	138	202	407
3	67	138	202	407
4	67	138	202	407
5	67	138	202	407
6	67	138	202	407
7	67	138	202	407
8	67	138	202	407
9	67	138	202	407
10	67	138	202	407
11	67	138	202	407
12	67	138	202	407
13	67	138	202	407
14	67	138	202	407
15	67	138	202	407
16	67	138	202	407
17	67	138	202	407
18	67	138	202	407
19	67	138	202	407
20	67	138	202	407
21	67	138	202	407
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32	67	138	202	407
33	67	138	202	407
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41	67	138	202	407
42	67	138	202	407
43	67	138	202	407
44	67	138	202	407
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99	67	138	202	407
100	67	138	202	407

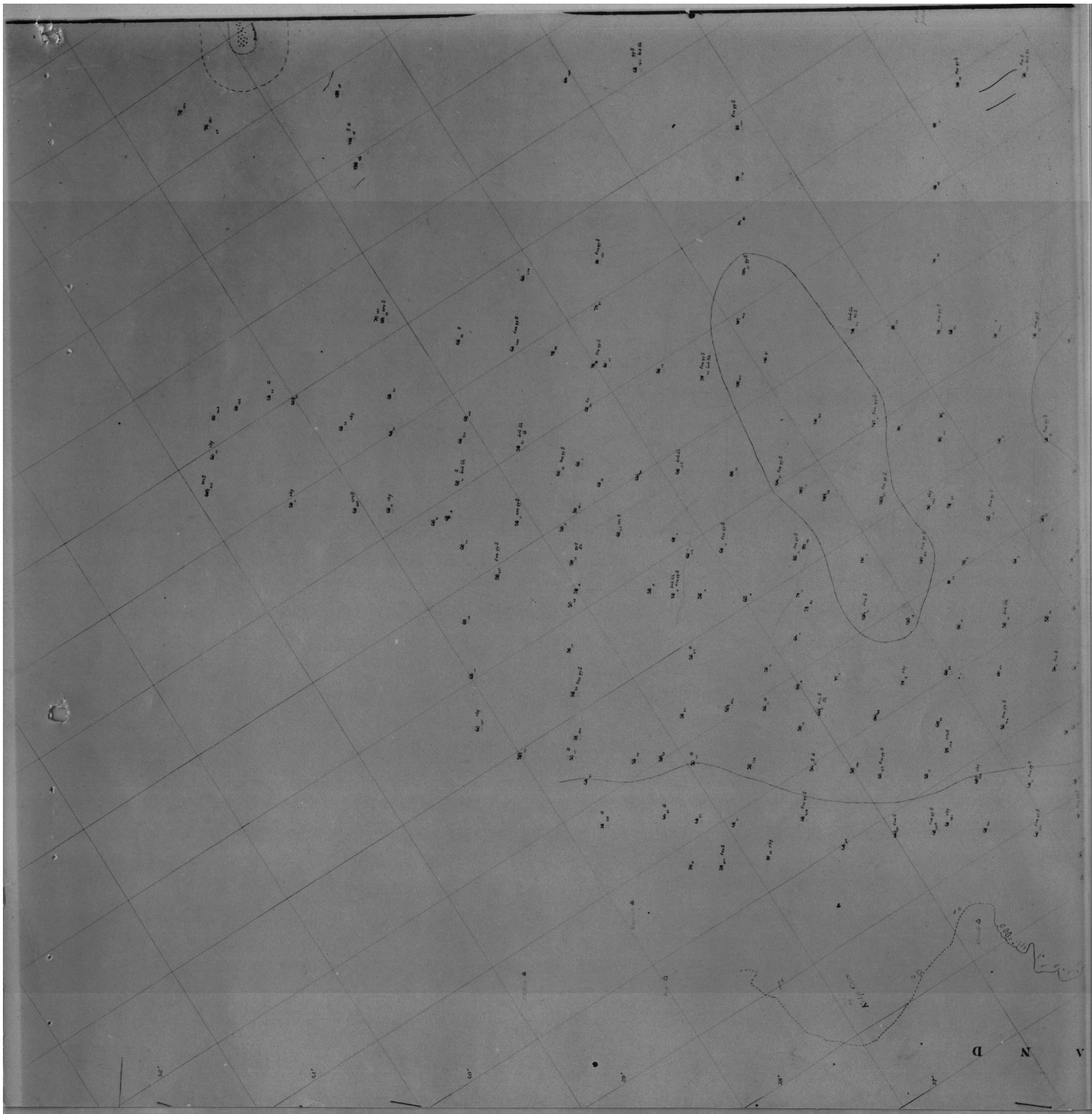
Surveyed by
 J.F. Peck, Assistant, Chief of Party
 U.S. Coast and Geodetic Survey
 1904.

Soundings given the depth in fathoms. The soundings in fathoms are given in italics. The soundings in meters are given in plain type. The soundings in the margin of the lower part of the sheet are given in meters.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

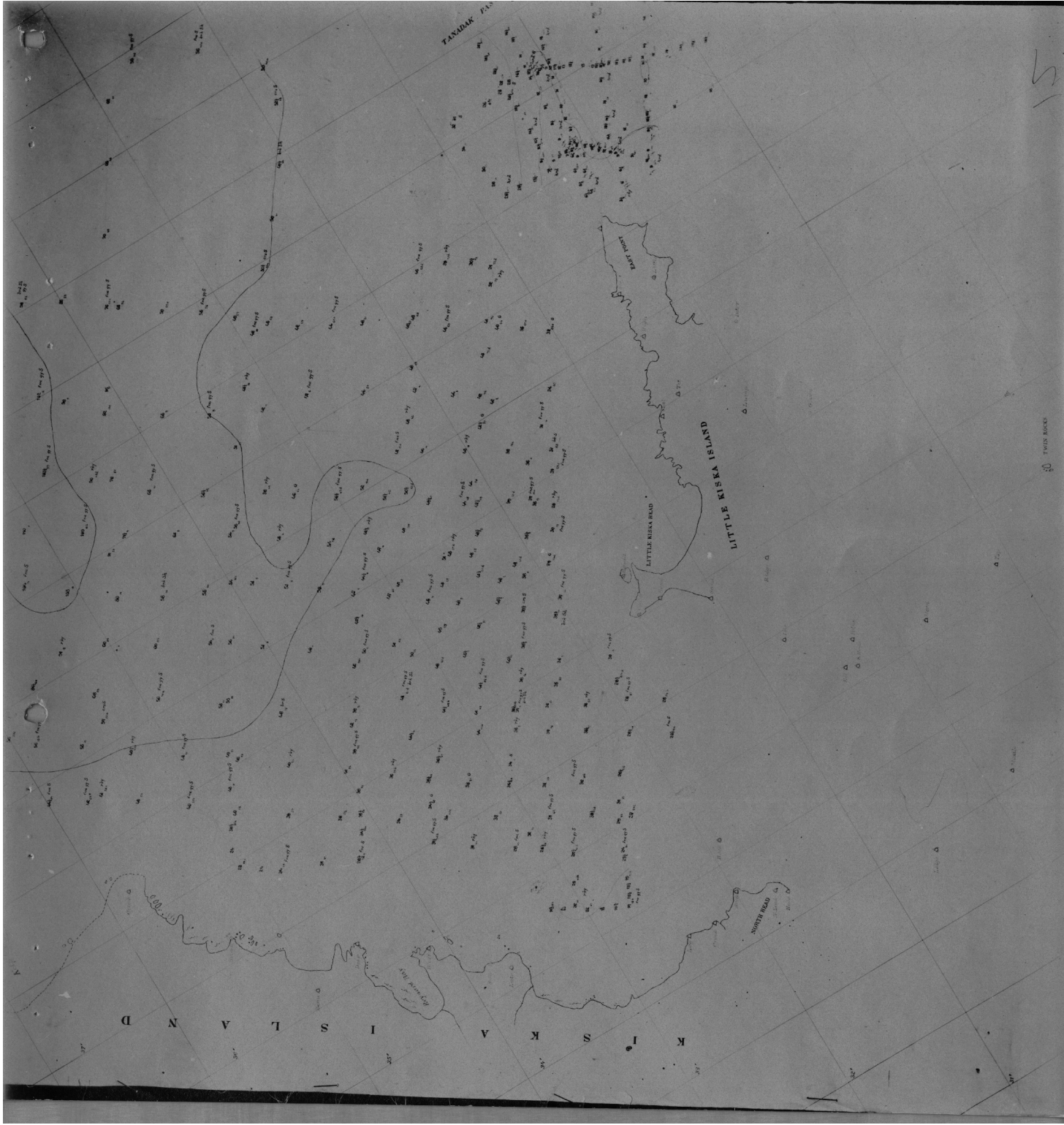
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Hyd. 2701.



U. S. C. & G. SURVEY,
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JUN 8 - 1905
c. No. 6495 B

Hyd. 2.701



30 FATHOMS

15

U. S. G. GOVERNMENT,
LIBRARY AND ARCHIVES

JUN 8 - 1905

c. No. 6495C

Apd 2701

Report
ON
Hydrographic Sheet
No. 2701.
Approaches to Kiska Harbor,
Aleutian Islands,
Alaska,
Assistant Pratt,
1904.

The plotting and protracting were well done. The records were well kept.

5/26/5.

H.L. Simons. (Signed).