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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State *Alaska*

11-5013

DESCRIPTIVE REPORT.

J. L. P. Sheet No. *3812*

LOCALITY:

Summer Strait

1915

CHIEF OF PARTY:

J. O. Colbat

3812

U. S. COAST AND GEODETIC SURVEY
Register No. 3812.

STATE S. E. Alaska

GENERAL LOCALITY Summer Strait

LOCALITY Pt. Baker to Pt. Colypoys

Surveyed by Wire Drag Party No. 4

Chief of Party L. O. Colbert, Ass't.

Date August 2 to October 9, 1915

Scale 1:20,000

Drag Depths in Feet
At Mean Lower Low Water.

Protracted by I. Harsch

Drag lines inked by L. Harsch

Tides inked by I. Harsch

Verified by

COLOR SCHEME

Red	40 ft.+
Blue	30 - 39
Green	20 - 29
Brown	10 - 19-1/2
Orange	0 - 09-1/2

U. S. COAST AND GEODETIC SURVEY
Register No.

STATE S. E. Alaska

GENERAL LOCALITY Summer Strait

LOCALITY Pt. Baker to Pt. Colyveys

Surveyed by Wire Drag Party No. 4

Chief of Party L. O. Colbert, Ass't.

Date August 2 to October 9, 1915

Scale 1:10,000

Drag Depths in Feet
At Mean Lower Low Water.

Protracted by I. Harsch

Drag lines inked by I. Harsch

Tides inked by I. Harsch

Verified by

COLOR SCHEME

Red	40 ft. +
Blue	30 - 39
Green	20 - 29
Brown	10 - 19-1/2
Orange	0 - 09-1/2

TABLE OF STATISTICS
 Sheet No. 83812.

*to be attached to
 Summary Report*

Date 1915	Letter	Vol- ume	Angles	Miles run	Drag length feet	Soundings Number	Angles
Aug. 2	A	1	96	3.0	2350	3	6
5	B	1	378	8.4	2400	7	14
6	C	1	288	10.1	2400	8	16
27	D	1	104	2.6	3000	1	2
Sept 1	E	1	174	4.4	3000	1	2
8	F	1	306	13.9	5850		
9	G	2	306	10.0	5950		
10	H	2	246	9.0	5200		
11	J	2	216	7.0	6350		
13	K	2	360	5.1	9350		
14	L	2	160	0.3	9050	4	8
15	M	2	570	9.0	6000		
17	N	2	144	3.0	4400	6	12
18	P	3	360	0.6	4150		
21	Q	3	240	11.3	4400	1	2
22	R	3	96	1.2	4800		
Oct. 1	S	3	222	5.0	3200	4	8
5	T	3	264	8.0	5400		
9	V	4	180	3.8	9600		
Totals			4256	115.7	97850	35	70

Mean length of drag = 5150

Total Area Covered = 59 sq. mi.

TABLE OF STATISTICS
 Sheet No. * 3812

Date 1915	Letter	Vol- ume	Angles	Miles run	Drag length feet	Soundings	
						Number	Angles
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Oct. 1	S	3	222	5.0	3200	4	8
5	T	3	264	8.0	5400		
9	V	4	180	3.8	9600		
Totals			4256	115.7	97850	35	70

Mean length of drag = 5150

Total Area Covered = 59 sq. mi.

VEC
Apr. 22, 1916

PS
187
HCL

HYDROGRAPHIC SHEET 3812.

Sumner Strait, S. E. Alaska, by party of
Assistant L. O. Colbert in 1915.

O. & G. SURVEY
L. & A.
APR 26 1916
Acc. No.

TIDES.

	Port Protection ft.	Point Baker ft.
Mean lower low water, or plane of reference on staff	6.0	2.0
Lowest tide observed " "	2.6	0.2
Highest " " " "	21.2	18.0
Mean range of tide	10.4	11.5

See letter Sec. of Peds with Descrip Report 3811

Myd # 3812

Sumner Strait - S.E. Alaska.

The area dragged covers a section of Sumner Strait, N. of Prince of Wales Island.

The work was originally plotted in the field, verified in the office, and subsequently a tracing made showing the max. eff. depth, to which the different partial areas have been dragged.

At position 1 day "R" a shoal spot sounded and a 38 foot sounding obtained. During day "T" the same spot was cleared by a 44 ft. drag. From the drag record it appears that at the time the sounding was taken the drag was out of order and at a distance of about 2 miles W. of O'Eye. The entire area W. of O'Eye was cleared by a 41+ foot drag and it appears highly probable that the recorded position of the 38' shoal is ^{rejected on H-9218 (1911)} somewhat in error, but for lack of more convincing evidence, it was decided to leave the sounding where it is plotted until a reexamination of the spot shall establish definitely the existence of the shoal.

During day "F" the positions of the End Launch were determined by observations from the G.L. and in addition independent observations were made from the E.L. The two do not agree very well

7

and for reasons stated on page 43 Vol. 1, the computed distances were accepted as correct and plotted.

About 150 yds. N. of Lat. $56^{\circ}20'$ & Long. $133^{\circ}26'$ there is plotted on the original sheet a Rk. awash. The same Rock is shown on the Boat Sheet. The records do not mention how and when this rock was located.

At position 36"T the drag set at an eff. depth of 48 feet was reported aground. The place was sounded and a 35 foot shoal established by the lead. The spot was later cleared by a 28 foot drag. Better results, that is the least depth over the shoal might have been determined by testing it with a drag set to a depth of 33-31 etc. feet.

On the whole the work and the plotting were very carefully and accurately done, and records throughout the entire survey kept in excellent shape.

J. B. Inklea

Oct. 2 - 1916.