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Diag. Chart No. 8152-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. S. Tuttleman
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Hyd. Sheet No. **3690**

LOCALITY:

*C. Part of Subarctic
Strait*

1914

CHIEF OF PARTY:

A. Hardy

11-4645

3690

of Sukkwan Straits, Eastern Part,

S. E. Alaska. Str. "GEDNEY" 1914.

This ³topography fills in the gap from the Eastern entrance to Sukkwan Strait at Eek Point west to Hydaberg. The work was done in Launch # 117 in charge of Mr. W. H. Stanford, Watch Officer, assisted by Mr. H. B. Campbell, Aid. The signals used were recovered triangulation stations with a few intermediate hydrographic signals located by plane table. The sounding lines were spaced approximately 200 meters apart, with split lines in shore at places where deemed necessary for closer development, and to the eastward of Hydaberg for a distance of about one mile. Th~~rough~~ development was made of all indications and the least water is believed to have been found. Considerable time was devoted to looking for the 4 1/2 fathom spot shown on chart No. 8150 in the middle of the channel about one mile East of Sukkwan Saltery. No shoal water of that depth was found in this locality, except close in toward the north shore, and ~~was~~ ^{well} clear of the track of vessels following a mid-channel course. Nor is there any kelp at this place as shown on chart No. 8150.

The bottom is generally hard except off Sukkwan Saltery where it is mud and where good anchorage may be had in from 10 to 15 fathoms.

The current in the eastern part of the Strait is inappreciable, becoming stronger and reaching an estimated maximum velocity of about two knots as the entrance to Sukkwan Narrows is approached. The current near the Narrows floods toward the Eastward and ebbs toward the Westward.

Respectfully Submitted.

W. H. Stanford
 Watch Officer, C. & G. S.
 Hydrographer.

Approved and Forwarded.

H. B. Campbell
 Assistant, C. & G. Survey.

HYDROGRAPHIC STATISTICS SHEET # **3690**

Sukkwun Straits, Eastern Part.

W. Coast, Prince of Wales Id. S.E. Alaska.

Party Str. "GEDNEY" F. H. Hardy, Comd'g.

Date 1914	Letter	Positions	Soundings	Miles	Boat.
Sept. 12	a	174	213	18.2	Launch 117
" 14	b	169	269	18.0	" "
" 15	c	170	433	20.5	" "
" 16	d	176	440	16.0	" "
" 17	e	86	166	5.4	" "
TOTAL.....		775	1521	78.1	

VEC
Feb 3, 1915
L. P. J.

HYDROGRAPHIC SHEET 3690.

Sukkwán Strait, Alaska, by Assistant F. H. Hardy
in 1914.

TIDES.

	Sukkwán Saltery ft.
Mean lower low water, or plane of reference on staff	6.4
Lowest tide observed " "	7.4
Highest " " " "	19.9
Mean range of tide	10.7

Hyd. Sheet No. 3690
Sukhwan Strait, (Eastern part) Alaska.

The work of protracting and pencil platting was done in this office by a member of the field party; The positions as platted, no errors being apparent, have been taken as correct.

The work is good and the area surveyed appears sufficiently well covered to develop the Channel and Shoals and which "wire drag" only can improve.

John D. Torrey
3/2/15.

Some inshore places not covered
J.D.T.