

1754

C. & G. SURVEY,
LIBRARY AND ARCHIVES
NOV - 8 1913
Acc. No. _____

Dir. Cht. No. 8153-1

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: _____

DESCRIPTIVE REPORT.

Hyd. Sheet No. 1754 *a*

LOCALITY:

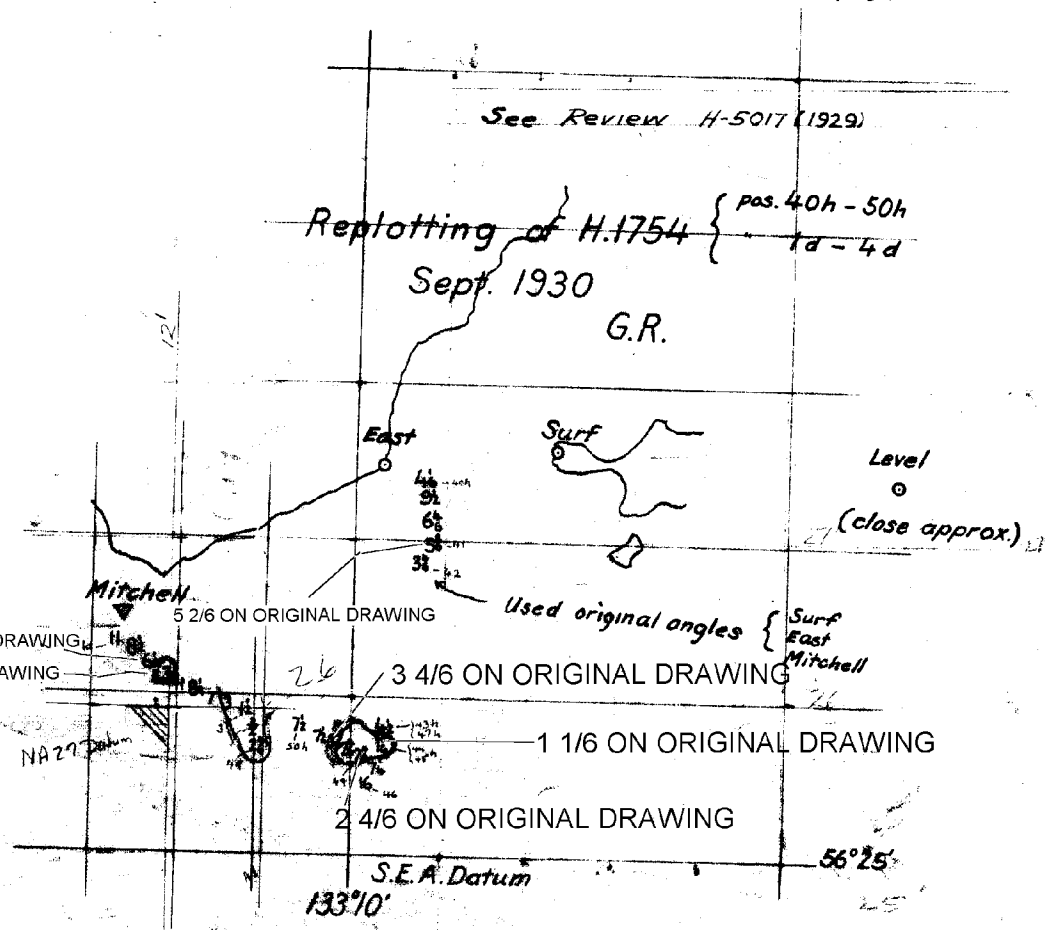
191

CHIEF OF PARTY:

on H-9219

See Review H-5017 (1929)

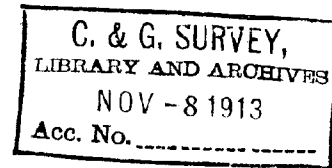
Replotting of H.1754 { pos. 40h - 50h
1d - 4d
Sept. 1930
G.R.



Add 3ft. to soundings (see note H.1749)

These soundings transferred in rel to H-1754
JTG

1754



DESCRIPTIVE REPORT

Relocation of
CALDER ROCKS, SUMNER STRAITS, ALASKA.

Hydrographic Sheet No. _____

On Oct. 13, 1913, while enroute from Point Baker to Davidson Inlet, the position of Calder Rocks was re-determined.

In a reconnoissance on the 11th \triangle Fly had been recovered. No other stations in the vicinity could be found, so to control the survey the position of one other station, \triangle Port was assumed. According to the description furnished, this station was on a high water rock, off the north end of Beauclerk Island. This rock was so small in extent that a signal built in its center could scarcely have been more than a meter from the station. It was therefore assumed that the center of the rock was close enough to the station to meet the requirement of the survey.

With the line \triangle Fly to \triangle Port as a base, the other signals necessary for the work were determined by means of the Plane Table, and by angles taken from the ship at rest.

In re-locating the rocks a line of soundings was run around the edge of the kelp which covered them, thus determining their limits, and the dinghy was then worked into the kelp and a few soundings taken to determine the least water. Unfortunately at the time this work was done the sea was breaking on the shoalest places so that the boat could not get to them.

The position of the rocks as originally determined was not furnished me so that I am unable to tell just how closely the new determination agrees with the old. As plotted on chart 8150

the positions are practically identical and I therefore assume that the original is correct and the report that the rocks are incorrectly charted is groundless. In view of this fact, I have not made the detailed examination of the rocks which I would have made if I had found their position incorrect.

No tidal observations were made in connection with this work. As there was a considerable amount of work to be done in Davidson Inlet, I was anxious to complete this work in the early afternoon and so reach the Inlet that same night, which I could not have done if I had been obliged to run back to the tide station East of Point Baker to pick an observer up there.

Statistics sheet No. _____

Date, 1913.	Letter	Vol.	Posi- tions	Sound- ings.	Miles statute.	Vessel
Oct. 13.	c	1	53	54	2.5	Launch 46
Total.....	53	54	2.5	

Soundings in fathoms.

*Respectfully submitted,
R. S. Patton,
Chief of Party.*

MKQ
Nov. 17, 1913.

HYDROGRAPHIC SHEET 1754a

Calder Rocks, Sumner Straits, Alaska, by

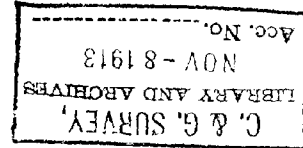
Mr. R. S. Patton in 1913.

TIDES.

Predicted tides were used for reduction of soundings.

	ft.
Mean lower low water, or plane of reference below mean sea level	7.0
Mean rise and fall of tides	10.5

1754^a



HYDROGRAPHIC SHEET No. _____

CALDER ROCKS,

SUMNER STRAITS, ALASKA.

Scale 1-20,000

Soundings by A. R. Hunter, W. O.

Oct. 13, 1913.

Steamer EXPLORER,

R. S. Patton,

Chief of Party.

Chart E/60 Extension fully app'd 2-3-70 H Radde