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2768<sup>a</sup>

C. & G. SURVEY,  
BRARY AND AKCHIVES  
JUN 13 1911  
Acc. No.

Department of Commerce and Labor  
COAST AND GEODETIC SURVEY

Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

*Hyde* Sheet No. *2768<sup>a</sup>*  
(*Supplement to ...*)

LOCALITY:

*Katalla Bay*

1901

CHIEF OF PARTY:

*C. J. Gillian*

2768<sup>a</sup>

2768<sup>2</sup>

NAVY AND  
ARMY  
JUN 10 1911

Descriptive Report of Hydrography at Katalla Bay

supplementing Hyd. Sheet No. 2768.

C. & G. SURVEY,  
LIBRARY AND ARCHIVES  
JUN 13 1911  
Acc. No. ....

Such signals as were standing were used and others cut in by sextant angles from the signals recovered and from the ship.

Descriptions of the signals and cuts for locations will be found on pages 23 to 29 of the the "McArthur" sounding record.

The section east of Martin Islands was filled in by the whaleboat as near to the beach as the breakers permitted. A heavy swell sets in on each side of Palm Point and breaks in from six to twelve feet.

Lines were run outside of the point and a rock awash at low water located some distance outside of the rocks shown on the bromide print. Lines were close here and the five fathom curve found to lie futher off shore than shown. There was no sign of a detached rock in deep water and the S.S. Portland must have been closer in than thought, probably inside the five fathom curve as defined.

To absolutely prove there was no rock futher off would require improvising a wire drag and probably consume considerable time as a heavy swell seems to run at Katalla at all times.

Deep water was found east of the islands . The roadstead has a gradually shoaling sandy bottom.

There are several rocky ledges between Palm Point and

the Katalla River. There are three large and prominent boulders close in, two of which are located and the third is close in on the west side of the river mouth.

The bar was reported to carry seven feet at high tide.

The wrecked S.S. Portland has disappeared and the only evidence of the wreck visible from the ship was the pilot house thrown high on the beach, where it made an excellent hydrographic signal.

The B.M. established by Ass't. Hodgkins was not recovered and has disappeared. A new staff gauge and B.M.s were located on the north end of the northernmost of the islands and the plane of reference determined by simultaneous observations with Wingham Island ( N.E. corner) where the B.M. established by Assistant Pratt was found in good condition. The comparison of tide consisted of only one high and one low water and for extended work in the vicinity more complete observations should be made.

Respectfully submitted.

*C. G. Quilliam*

Assistant, C. & G. Survey,

Chief of Party.

Statistics of Hydrography.

Katalla Bay, Alaska.

2768<sup>a</sup>

To accompany Descriptive Report of Supplement to  
Hydrographic Sheet No. 2768

Date	Boat	Letter	Volume	Angles	Soundings	Miles
1911						
May 25	Whaleboat	<i>a</i>	1	72	130	4.2
May 25	McArthur	<i>A</i>	1	14	30	2.0
May 28	Whaleboat	<i>b</i>	1	204	512	13.4
May 28	McArthur	<i>B</i>	1	238	497	32.5
TOTALS			2	528	1169	52.1

2768<sup>a</sup>

Hyd Sheet No 2768<sup>a</sup>

July 31 1911

This work fills in the area which was not covered by the previous survey.

The crossings are good and the soundings agree very well with the Ad work

The records were well kept.

A. L. Lawrence

Verified;

R. L. Johnston

Sept. 22<sup>nd</sup>, 1911.

Soundings in feet.