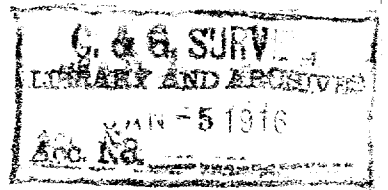


3798



Diag. Ch. No. 9104

Form 504

**DEPARTMENT OF COMMERCE**  
U. S. COAST AND GEODETIC SURVEY

State: Alaska

11-5613

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**DESCRIPTIVE REPORT.**

Hydrographic Sheet No. 3798

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LOCALITY:

Kuskokwim River

Alaska

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1915

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CHIEF OF PARTY:

R. R. Luken

8623

DESCRIPTIVE REPORT

Field Sheet ~~X~~ Hyd. 3798

Hydrographic & Topographic

Kuskokwim Bay

This sheet embraces the area from Warehouse Bluffs to Beacon Point including the eastern shoreline of the bay, and Eek Channel.

HYDROGRAPHY includes the development of Eek Channel from a point off Warehouse Creek to the West Channel cross over abreast Beacon Point. A mid channel line up the Kuskokwak Channel is also shown. The work in Eek Channel is a re-survey, as this channel was developed in 1914, using the distant mountain peaks for control. The positions thus obtained were weak, and the development was not satisfactory. Owing to the distance of the signals, the lower part of this work is not as complete as was desired.

EEL CHANNEL The mud flats bordering this channel are determined by zero soundings and as sketched on the boat sheet during the progress of the work.

The KUSKOKWAK CHANNEL is sketched as observed while in the vicinity during low water. This channel is of no importance, as it becomes very narrow and shoal near Beacon Point where it joins the Eek Channel. The limiting depth at this point is about 6 feet. The Kuskokwak Channel is generally used by launches and small craft travelling between Quinhaga k and Eek Island

TOPOGRAPHY The shore line is determined from off sets from stations of a precise traverse which was carried from sta. Kwak to Warehouse Bluffs. The topography along this coast is without detail and the shoreline is indefinite in places where the mud flats gradually merge into the grass covered area. This line is often changed by the wave action during the heavy storms the sweep over this vicinity.

At low water the flats extend off this shore as far as the eye can see. Launches and small craft usually navigate the bay here at high water when they can travel over the flats

WAREHOUSE CREEK is a large tidal slough entering the bay a short distance north of Warehouse Bluffs. A tortuous channel through the flats leads to the creek which is deep just within the entrance. There is just swinging room for a 75 foot vessel with 15 fathoms of chain. It is an excellent refuge for launches and small craft.

WAREHOUSE BLUFFS are a series of bluffs the highest of which is is 30 feet above high water. These bluffs are important landmarks in the navigation of the river. A 30 ft. tower is erected on the highest part of the bluffs. This signal should be shown on the chart as it is a very important aid to navigation. The signal was built to be permanent.

TABLE OF STATISTICS

FIELD SHEET B (3798)

Kuskokwim River Alaska.

Str. YUKON R.R. Lukens,  
Cmdg.

1915.

Day	No. of Angles	No. of Soundings	No of Miles Statute
G	28	62	1.8
H	300	770	31.0
I	90	197	13.5
J	36	107	7.8
L	100	294	16.3
	554	1430	70.4

Hyd. 3798

The ground on this sheet seems to be sufficiently well covered except at the point where the thirty foot curve is closed. As this is the shoalest portion of the channel, it would seem to be the logical place for the most developement.

Soundings between positions were spaced evenly, as no time interval was recorded for intermediate soundings.

R. L. Johnston

Soundings shown in feet.

Protracted by field party.  
Soundings plotted by field party.  
Verified and inked by R. L. J.