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1910
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3197

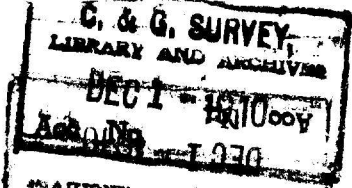
U. S. G. SURVEY,
COAST AND GEODETIC SURVEY
APR 13 1911
App. No.

Diag. Cht. No. 8502-1

<p>Department of Commerce and Labor COAST AND GEODETIC SURVEY</p> <p>_____ <i>Superintendent.</i></p> <p>State: <u>Alaska</u></p>
<p>DESCRIPTIVE REPORT.</p> <p><u>Hyd</u> Sheet No. <u>3197</u></p>
<p>LOCALITY:</p> <p><u>Cook Inlet - East Shore</u> <u>Entrance to Kenai river</u></p>
<p>_____ 19<u>00</u></p> <p>CHIEF OF PARTY:</p> <p><u>C. G. Zuilkean</u></p>

B

3197



Dept of Com, & Labor

C & G Survey,

O. H. Tittmann Supr.

Entrance to Kenai River, Cook
Inlet, Alaska,

Hydrographic Survey by Ste Yukon,

1910

Scale 1-10000,

Outer work done by steamer & channel
lines run frequently going in
& out from work,

Side ganges. Anchorage at Chimulna
Pt. C. G. Quillian chief of Party.

Stop at Mouth of River.

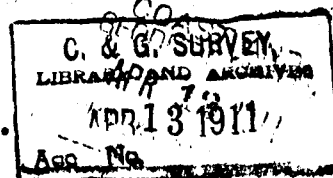
Observers C. G. Quillian, J. C. Bartlett

H. W. L. Gall (at times) Recorder W. D. Hinton

Leadman, Paul Weber, QM^{1st}, F. Hoew QM^{1st} and

M. Pustikoff, Sea,

Descriptive Report Hydrographic Sheet No. 3197.



A survey of Kenai River mouth and plotted on scale of 1/10 000. The majority of lines were run ~~either~~ going out to work and on return. also see report on topographic sheet of same locality.

The bar at mouth of the river nearly bares at l.w. springs. and should not be attempted until the height of tide is equal to draft of the vessel. Vessels of 12 ft have entered and have remained over low water at neap tides, being aground five or six hours. Vessels of six feet draft can lie off the salt house and ~~a little~~ up stream at any time.

Currents are very swift, from 3 to six knots. Current turns about a hour after high water and about two hours after low ~~water~~ water.

Off Rocky Point a group of boulders extends well offshore. Many of the rocks bare at the lowest June tides which are not visible on the ordinary low water spring tides. Other rocks in the area do not cover until half tide. There are also two rocks which are prominent about 1/2 mile west of the tide gauge at Chinulna Pt. The larger of these covers about half tide or when the tide is 7 ft above the plane of reference.

Salmo Rock is a dangerous ~~sunken~~ boulder, which bares several ft. at lowest tides and is nearly in the channel usually used. It is about 3 miles S.W. from Kenai Church. There is another boulder 1/4 mile N.E. from Salmo Rock and another 1/2 mile N.W. of these. A third boulder is about a mile nearer the church on line with these. When the whitewashed

gable of the salthouse (0 Range) is just shut in , the last mentioned rock is about 100 yds north of this line.

Inside the river the channel to the cannery wharf follows the north bank of the river.

Respectfully, submitted.

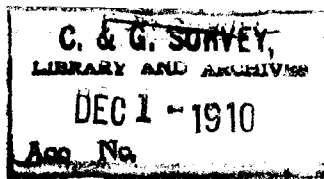
C. G. Quillian

Assistant, C. & G. Survey,

Chief of Party.

see also season's report 1910

3137



Date

Letter

Vol

position

Sounding

Miles
Statute

Vessel

June	21	1910	E	1	58	218	10.2	Ship
"	22	"	F	1	48	264	6.5	"
"	24	"	G	1	109	520	20.0	"
"	27	"	H	1	31	142	4.0	"
"	28	"	I	1	21	88	2.5	"
"	29	"	J	1	8	47	1.2	"
"	30	"	K	1+2	28	152	4.7	"
July	14	"	N	2	25	125	4.0	"
July	29	"	a	2	25	169	4.2	Revised
"	30	"	b	2	125	250	17.0	No # 2, # 42
total $\frac{1}{10000}$ sheet.			10	2	478	1975	74.3	

V.E.C.
Jan.27,1911.

HYDROGRAPHIC SHEET 3197.

Entrance to Kenai river, Cook Inlet, Alaska,
by Asst. C. G. Quillian in 1910.

				TIDES.	
				Chinulna	Kenai
				ft.	ft.
Mean lower low water, or					
plane of reference on staff				9.3	1.0
Lowest tide observed	"	"		4.8	0.7
Highest	"	"	"	32.8	23.2
Mean range of tide				17.7	17.8

Coast and Geodetic Survey
FEB 4 1911
TIDAL DIVISION

Hyd. Sheet 3197

Plotted by J.D. Torrey.
Partly replotted by R.L. Simons.

Verified;

Aug. 14, 1911.

This work is not very reliable. The work in the river is the most conflicting. The original plotting of this work was rather poorly done. From the mouth of the river, between signals "Range" and "Fish", the work was entirely replotted and is now about as nearly correct as it can be gotten.

R.L. Johnston

3197

Top Sheet No 3197

Apr 19 1911

The ground within the limits of this survey is fairly well covered with the exceptions of the river above O Box.

There are a number of errors in ^{the} records due apparently to the carelessness of the recorder.

H. L. Simmons