



3800

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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *Alaska*

11-5613

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *3800*

LOCALITY:

Kuskokwim

River

1915

CHIEF OF PARTY:

R. R. Sukens

FIELD SHEET c 7 Hyd. 3800

Hydrographic & Topographic

Showing a portion
of the

KUSKOKWIM RIVER, BERING SEA
ALASKA.

Surveyed by party on the

Str. YUKON

Scale 1;20,000

R.R.Lukens,
Chief of Party.

Soundings in FEET

at M.L.L.W.

SURVEY PARTY.

R.R.Lukens & H.A.Cotton, Assistants
Jack Senior, Aid
E.E.Severns Ch. Wr.

in charge

Rt. Angle
Lft "
Recording.

Leadsman

F.A.Paul Qm. 1cl.
A.Anderson C.B.M.
T.O.Kellogg Sea

Positions plotted by
Soundings plotted by
Shore line by

L.C.Dyke, Aid
L.C.Dyke "
R.R.Lukens, Ast.

FIELD SHEET X. Hyd. 3800

Topographic & Hydrographic.

Kuskokwim River Alaska.

1915.

Str. YUKON.

R.R. Lukens, Comdg.

DESCRIPTIVE REPORT.

This sheet shows a short extension of the hydrography above the limits of field Sheet "A" 3799

The HYDROGRAPHY shows portions of the two channels that may be used in ascending the river. These channels which are straight and deep are of the type known locally as "Cut bank channels" with the current cutting into the bank thus producing the deepest water a few feet from the banks.

The area in the middle of the river is filled with extensive flats and shoals. From the Eek Island channel to the shore near sta. Eddy, there extends an unbroken mud flat which bares sometime after half tide.

TOPOGRAPHY The shore line is sketched from the hydrographic work. As in other cases, the shoreline here is without detail and the country is perfectly level. It is partly covered with alders and light shrubbery, which increases in size and abundance as the river is ascended. The shoreline between Eek River and that shown on the sheet was not surveyed, and should be shown as sketched in 1914.

Hydrographic signal EDDY, a tripod, should be placed on the chart as it is useful in the navigation of this channel

Tidal Observations were carried on at Apokak Creek for this work.

TABLE OF STATISTICS

Field sheet C (3800)

Kuskokwim River.

Day	No of Angles	No of Soundings	No of Miles Statue
P	38	80	6.0
Q	<u>80</u>	<u>177</u>	<u>5.0</u>
	118	257	11.0

Soundings made from the Str. YUKON.

Statistics Sheet No. 3800

Date	Letter	Volume	Positions	Sdg's	Miles	Vessels
1915						
Aug. 24	"p"	I	19	80	6.0	Yukon
Aug 25	"q"	I	40	177	5.0	"
Total	-----	-----	59	257	11.0	"

Note: Soundings plotted in feet
 Tide Gauge @ Cylokak Slough

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

SECTION OF FIELD RECORDS.

REPORT ON HYDROGRAPHIC SHEET No. 3800.

Surveyed in 1915.

Chief of Party: R. R. Lukens. Surveyed by R. R. Lukens.

Protracted and soundings plotted by L. C. Dyke.

Verified and inked by F. M. Albert.

1. The records do not conform to the General Instructions in that the time was omitted of soundings which were taken between positions. The distance between positions is as much as two-thirds of a mile and, as the depths vary greatly, the distance between the soundings must also vary. Bottom characteristics are almost entirely omitted.
2. The plan and character of development fulfill the requirements of the General Instructions. It should be noted however that the tide gauge was from 7 to 10 miles from the location of the survey.
3. The plan and extent of development satisfy the specific instructions.
4. The sounding line crossings are adequate.
5. The information is sufficient to permit the usual depth curves to be drawn.
6. The field plotting was completed to the extent prescribed in General Instructions and none of it had to be done over again by the office draftsman.
7. The junction with the adjoining sheet is satisfactory.
8. No further surveying is required within the area covered by this work, but the surveying should be carried up the river as soon as required by commercial interests.
9. The surveying is excellent (except for the shortcomings in the records noted in par. 1.). The field drafting is also excellent.
10. Reviewed by E. P. Ellis, November, 1921.

Field Records Section.

Report on the Verification
and Inking of Hyd. No. 3800.

This sheet shows an extension of hydrography north of Hyd. No. 3799. The record was clear but more time intervals and bottom characteristics should have been shown. The protracting and plotting were excellent.

Frank M. Albert

3800