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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Sheet No.

LOCALITY:

*Mouth of Igushik
River, Kusshagak Bay*

1910

CHIEF OF PARTY:

W. C. Dibrell

3091

DEPARTMENT OF COMMERCE AND LABOR

Coast and Geodetic Survey

O. H. Tittmann, Supt.

Topographic Sheet No..... (Field Letter "B")

IGUSHIK RIVER, NUSHAGAK BAY

ALASKA.

Steamer Explorer

Walter C. Dibrell, Assistant, Chief of Party

Begun September 13, 1910

Completed September 13, 1910

Scale 1 - 20 000

Topography by S.W.Tay, Ass't. and R.R.Lukens, Aid

Sheet inked by S. W. Tay, Ass't., and R. R. Lukens, Aid.

S T A T I S T I C S

Shore line 9.8 statute miles

Area 5 sq. statute miles

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DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET
NO. 3091... (FIELD LETTER B), MOUTH OF IGUSHIK RIVER, NUSH-
AGAK BAY, ALASKA. SCALE 1 - 20 000.

This sheet shows a portion of the shore line at the mouth of the Igushik River. This shore line was not surveyed in 1909 owing to lack of time, but it was sketched in on one of the topographic sheets. The locality is considered of sufficient importance to demand accurate charting and opportunity was therefore taken to make a survey before closing field work of the present season.

2. On account of the short time remaining available for work in Nushagak Bay and the comparative infrequency of fair days, two parties were assigned, to work simultaneously, and but one day was devoted to the work. The eastern shore was surveyed by plane table method. The western shore was run in as a sextant traverse and adjusted on the sheet by means of numerous flags and natural objects cut in by the plane table party.

3. The survey is based upon previously determined signals transferred from a tracing of the topographic sheet of 1909 covering this area. No projection is supplied for this sheet by the field party as there was none for the other. The two should be consistent.

4. The land near the river on the eastern shore is low and marshy and supports a growth of marsh grass. On the other side the land rises rather rapidly from the shore to a ridge from 200 to 250 feet high. There is, however, a strip of marsh along the shore just without the river mouth. Back of the marsh is a bluff. The beach is shingle up to signal Spit and above this the ^{bank} ~~beach~~ are muddy. At the southern part of the peninsula on eastern side of the river the

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high water line is not well defined and is bordered by an extensive tidal flat of mud and sand, which at low water forms the eastern bank of the river for several miles to south-eastward.

5. There are two salteries in the Igushik River. The buildings were determined and they are shown on the sheet.

6. The summit of the ridge on western side of the river is shown on hydrographic sheet # 3180 (1909), and horizontal and vertical angles were taken to it from Ekuk in 1910. The estimated elevation, 350 feet, given in my general report of Nushagak Bay, May 1910, is now considered too great. A revised estimate would be 260 feet.

Respectfully submitted,



Ass't., C. & G. Survey,

Chief of Party.

Unalakleet, Alaska.

October 1, 1910.