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Department of Commerce and Labor
COAST AND GEODETIC SURVEY

O. H. G. Mann

Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Topc Sheet No. *2822*

LOCALITY:

*Iliamna Bay,
Cook Inlet*

1907

CHIEF OF PARTY:

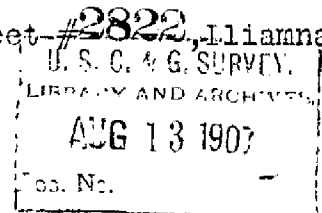
H. W. Rhodes

U. S. C. & G. SURVEY
FILED AND ARCHIVED
JUN 13 1907

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Descriptive Report to accompany Topographic Sheet #2822, Iliamna Bay, Alaska. Scale: 1/ 20 000.



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The control of this sheet is based on the triangulation distances, the positions of the signals (except at a few points where the topography preceeded the triangulation) being plotted by intereseecting distances.

The contour interval is 100 feet and the contours are sketched between the prominent points where elevations were determined.

The shore in general is bold and precipitous and the mountain tops barren, the higher ones carrying numerous snow patches as late as July. The lower slopes of the mountains are covered with alder and other deciduous brush except in the more precipitous and rocky places.

There are no trees except the cottonwoods shown at the heads of the Bay and on the Base flat.

The Bay is the present gateway from Cook Inlet to Iliamna Lake and the head of Bristol Bay. There are a number of mining prospects about fifteen miles back from the Bay , in the vicinity of Iliamna Lake, chiefly copper, silver, and lead but there are no mines in operation. There is a small Indian Village at the head of the main Bay but most of the Indians live back near the lake.

Two houses on "A. C. "Point, are the present field headquarters of the proposed Alaska Short Line RY. There is a Post Office (Dutton) at the head of Cottonwood Bay but no regular mail service, as there are no regular steamers touching this point. The S.S. "Dora" makes occasional stops on her way to and from the westward, as freight and passengers may warrant,

A few provisions may be obtained at Dutton but the supply is small.

Humpback and Dog Salmon are plentiful in season in Cottonwood Bay, but practically no other fish are to be had inside the Bay.

Fresh breezes blow down the Bay a great part of the time and progress in small boats is, at times, very difficult.

Respectfully submitted,

H. W. Rhodes. asst.

Chief of Party.

P L A N E T A B L E P O S I T I O N S

There are no prominent objects on this sheet that have not been determined by cuts in the triangulation.

Hydrographic Sheet # 2887

Iliamna Bay, Alaska.

Table of Coordinates for Iliamna Bay Triangulation

Initial Station	Lat.	Dep.	Angle R. or L.	Log. cosine	Log. sine	Log. Dist.	High Lat.	Diff.	Lat.	Dep.	Station
W. Base	0.0	0.0	0° 00' 00.0"	10.000000	—	2.833446	2.833415	—	+ 6814.	0.0	E. Base
W. Base	0.0	0.0	R 61 02 42.0	9.684955	9.942008	3.216214	2.901169	3.158222	+ 7965.	+1439.5	Aid
W. Base	0.0	0.0	R 87 09 48.5	8.694487	9.999468	3.100338	1.844825	3.149806	+ 70.0	+1411.9	Back
W. Base	0.0	0.0	R 0 18 31.3	9.999994	7.731404	3.172311	3.172305	0.903715	+1482.0	+ 8.0	Diamond
W. Base	0.0	0.0	R 46 17 20.6	9.839491	9.859039	3.358516	3.198007	3.217555	+1577.6	+1680.3	Drift
Diamond	+1487.0	+ 8.0	L 12 20 57.9	9.898833	9.330156	3.339807	3.329640	2.669663	+3623.2	-459.7	Point
Diamond	+1487.0	+ 8.0	R 34 59 37.1	9.913398	9.758522	3.592506	3.505904	3.951038	+4692.6	+ 2252.0	Spur
Drift	+1577.6	+1650.3	R 62 48 20.5	9.659925	9.949127	3.451475	3.111400	3.400602	+ 2570.0	+4165.7	Arch
Drift	+1577.6	+1650.3	R 23 52 19.1	9.961161	9.607127	3.559213	3.520374	3.166340	+48918	+ 3117.0	N. Head
Drift	+1577.6	+1650.3	R 51 46 31.5	9.791512	9.895197	3.631047	3.424559	3.526244	+4223.4	+ 5009.6	S. Head
Drift	+1577.6	+1650.3	L 85 16 55.4	8.915139	9.998526	3.317409	2.232548	3.315988	+1748.4	- 419.5	Swing
Swing	+1748.4	- 419.5	L 72 54 06.4	9.468363	9.980368	3.446066	2.914429	3.426434	+2569.6	-3089.0	Stake
Swing	+1748.4	- 419.5	L 68 15 08.4	9.721127	9.929612	3.597253	3.215407	3.426883	+3401.9	-3091.8	Rust
W. Base	0.0	0.0	R 149 43 10.9	9.936297	9.702629	3.389153	3.325450	3.091782	-2115.7	+1235.3	Shoal
W. Base	0.0	0.0	L 171 52 33.1	9.995620	9.150199	3.128568	3.124188	2.278707	-1331.0	-190.0	Alder
Alder	+331.0	-190.0	R 165 20 58.3	9.985635	9.402986	3.096801	3.082496	2.499837	-2540.2	+126.1	Snow
Alder	+1331.0	-190.0	L 106 46 29.0	9.963297	9.595879	2.978953	2.942250	2.574872	-2206.5	-565.7	High
Swing	+1748.4	-419.5	L 58 15 08.4	9.721134	9.929610	3.497273	3.218407	3.426883	+3401.9	-3091.8	Rust
Stake	+2569.6	-3089.0	L 26 58 31.2	9.949976	9.656680	3.112115	3.062091	3.765795	+3723.3	-3616.2	Low
Stake	+2569.6	-3089.0	L 57 30 22.6	9.730142	9.926060	2.880410	2.610552	2.806470	+2977.5	-3729.4	Turn