

3697



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

State: _____

11-5813

DESCRIPTIVE REPORT.

Map. Sheet No. 3697.

LOCALITY:

191

CHIEF OF PARTY:

3697

Notes
attach road
Photographs

DESCRIPTIVE REPORT OF TOPOGRAPHIC SHEET NO. _____

STAG BAY, LISIANSKI STRAIT, ALASKA.

Planetable survey by C. G. Quillian,

Party of U. S. C. & G. Survey Str. PATTERSON, July, 1917.

C. G. Quillian, Chief of Party.

*4 additional Photos in
note & he attached.*

The shoreline of Stag Bay was run on a separate sheet at odd times during the month of July. The work is entirely a plane-table traverse beginning at the head of the bay, extending down the sides, locating the various hydrographic signals, and at the mouth of the bay joining on to the topography brought into the mouth of the bay by Mr. Pease and overlapping this a short distance, and for orientation outs to Triangulation Stations KOSI, STAG, and ELSI, were drawn on the sheet. The projection on the sheet was roughly transferred from the topographic sheet of Lisianski Strait after fitting in Station POLE by the three point problem. In the course of the traverse the hills on either side of the bay, a distance from 1/2 to 3/4 of a mile back were located, and contours in vicinity of Stag Bay sketched in.

used After the close of the season certain photographs were taken as follows:- One panorama from the hill at the head of the bay. One panorama taken from the 2580 Ft., hill at the head of the draw on the south side of the bay. Certain photographs taken from the west slope of the 3110 Ft., peak (Oak Mt.), and photographs taken on the northern slope of Oak Mt., and a few photographs taken from Triangulation Station NORTH were used to locate the peaks and contours dotted in on the southern portion of this sheet. Also, the topographer was on the 2580 Ft., peak and had the recollection of the valley to assist him in sketching the contours.

Peak 72 had been located by triangulation and was plotted on the sheet, and after the sheet had been linked sufficient data was obtained to compute Peaks 13 and 14, the geographic positions of which were slightly different from those shown on this sheet, and same should be adjusted in making the chart. On the north side of the bay photographs assisted greatly in locating peaks along the edge of the sheet and in sketching contours. It is believed that in general the full-line contours are not out of position by much more than a contour interval, and the dotted contours are within two contour intervals of the

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correct location on the ground, and presents a fair picture of the character of the country. The three lakes on the most westerly portion of the sheet are estimated from photographs, while the lakes northeastward of Peak 14 were located from photographs.

The topographer did not find an opportunity to make an investigation of the valley at the head of the bay and was uncertain as to the distance the southern side extends up the valley before making the back-turn and returning to the south side of Cub Mt.

Stag Bay is a long, narrow indentation extending almost Magnetic East and West. It is 3 miles long to the tide flats. The shores are very steep and precipitous, and various points on either side are small flats extending offshore from 100 to 200 yards and formed by the deposits brought down by swift mountain streams. The shores along the water and to an elevation of 500 or 600 feet are fairly well timbered with spruce and red and white cedar. Above the 500 and 600 foot elevations the timber thins very rapidly, and the entire country is generally barren above the 1,000 foot elevation. The bay has an average width of about one-third of a mile which narrows in two places to less than 1/4 of a mile. At the head of the bay is an extensive tide flat, the greater part of which bares at lowest tides and the approach to which is very steep. A vessel to have swing room must anchor in from 40 fathoms of water and is then some 100 feet from the flats at the head of the bay. A number of photographs are attached hereto to illustrate the general topography. The buildings have been built for a cannery on the small flat on the north side, about two-thirds the distance to the head of the bay. The plant consists of a bunk-house and a warehouse, with a small wharf with a 20 foot depth. At lowest tides a vessel drawing 15 feet can lie at the dock, the shallowest water being at the west end of the dock and a vessel by occupying the bow moorage can have some 20 feet at lowest tides. A small lined stream enters near the proposed cannery, and probably within another year water will be piped to the dock. The PATTERSON Sound an excellent watering place at the stream on the south side near the head of the bay. This stream flows among the mountains on the mountain side and descends precipitously along the mountain side and ends in a small fall which is very convenient for filling the boats for water.

Respectfully submitted,

[Signature]
H. & G. E., U. S. Survey.

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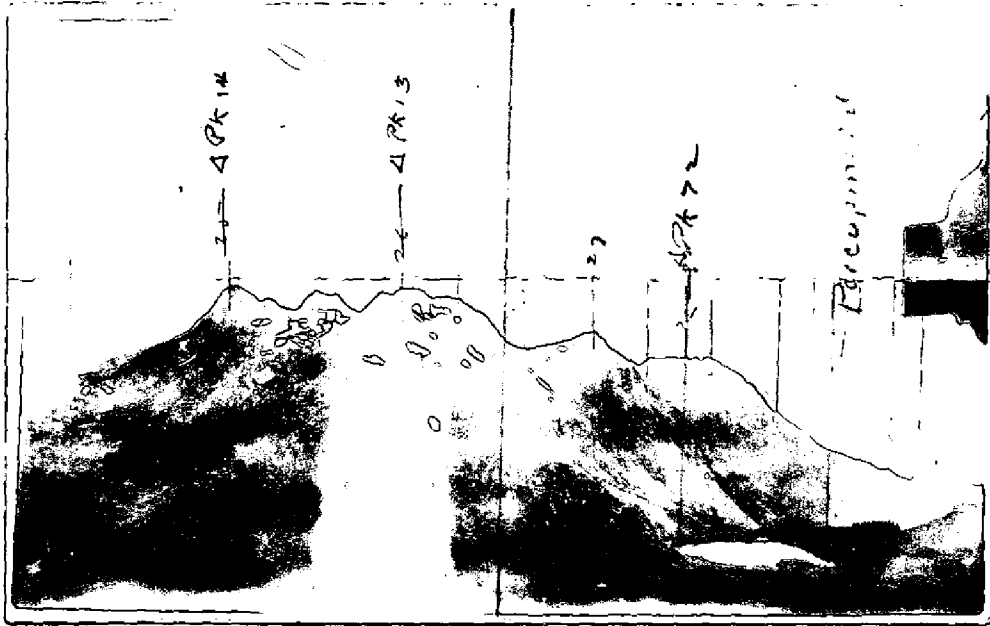
From a shoulder on south side Cub Mt.,
looking toward Ilin Bay. *Focal length 5 1/8 inches*



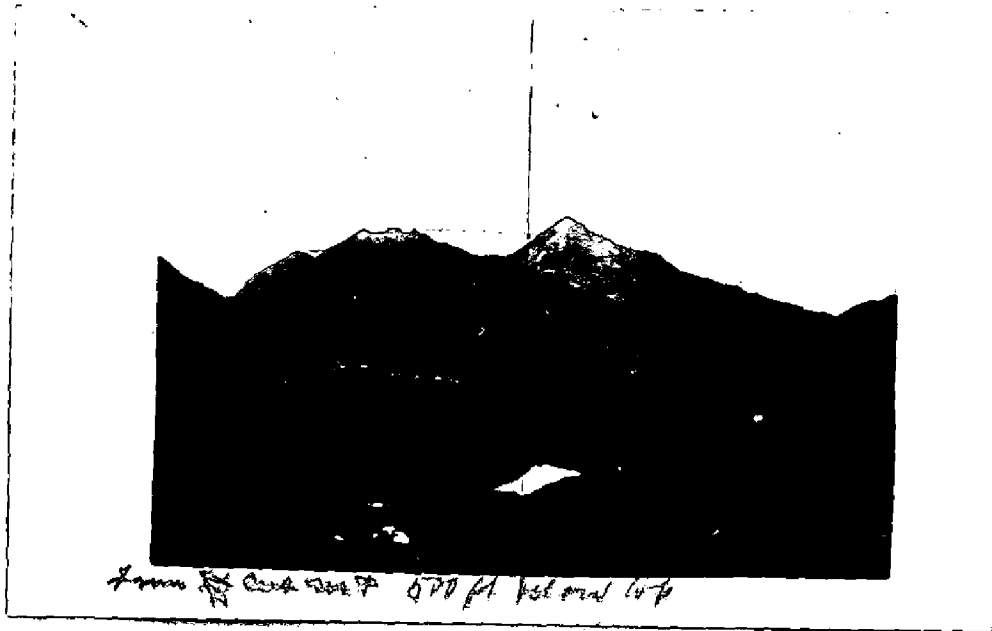
From a shoulder on south side of Cub Mt.,
showing valley and stream on south side of
Cub Mt. *Focal length 5-1/8 inches*

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STAG BAY, LISIANSKI STRAIT, ALASKA.



West from shoulder on west side of
Cub Mt., and at elevation of 2,800 Ft.
Camera focal length .176 *meters*.

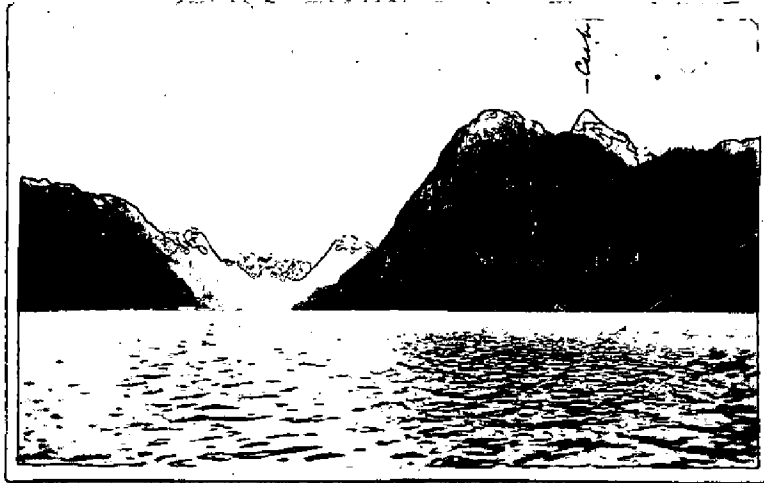


Plotted from Cub Mt. summit.
Focal length 5-1/8 *inches*

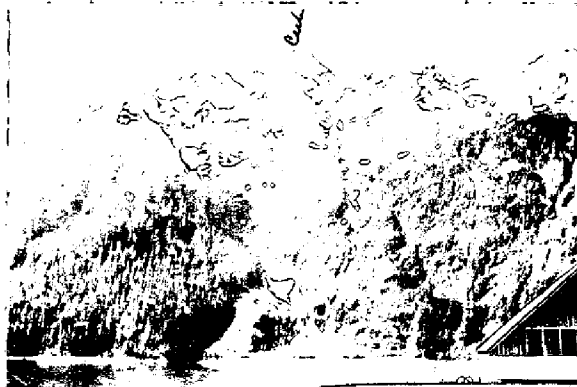
Focal length .176 meters

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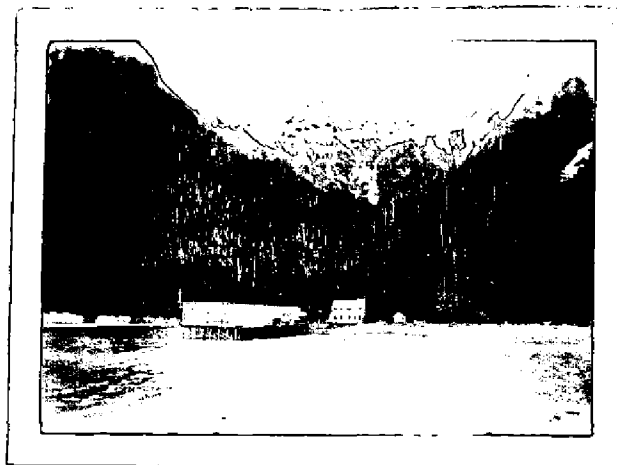
STAG BAY, LISIANSKI STRAIT, ALASKA.



Looking into Stag Bay from mouth showing precipitous shores.



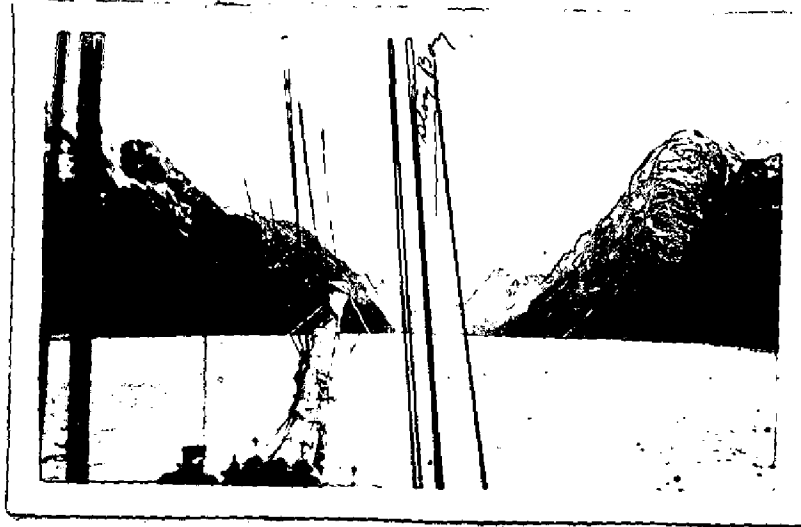
Cub Mt., from cannery bunkhouse.



From G COAL showing type of draw back of cannery.

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View down Stag Bay from mouth showing steep slope
of hills.



0
W

2

0.04



Measured from base to base of bay
about length 1.25" measured surface

0

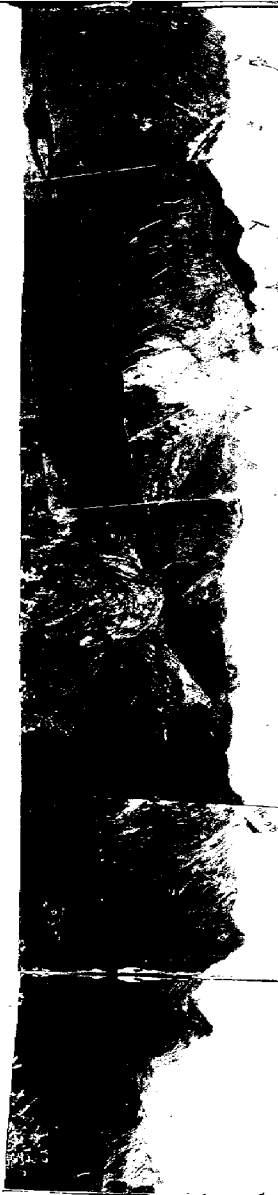
9

8

Stop Bay and mountain with a little and get from
and a little and get from
6.5 meters

Measured from 1011 to
top of bay
Total length 1011 to
measured from

1011 to 1012



Panorama from North Mt.

Focal length 5-1/8"

Principal plane determined from other prints showing full film.

Very good



Panorama with post card film taken from a point elevation 1,700 feet on north slope of Oak Mt.

Focal length 376 ft

Fat film.

Looking West at night along ridge of North

Plum

[illegible]