

2872

Department of Commerce and Labor
COAST AND GEODETIC SURVEY

C. H. Tittmann
Superintendent.

State: *Alaska*

DESCRIPTIVE REPORT.

Topographic sheet No *2872*

LOCALITY:

*Alimwoak bay, Afognak
Island*

1908

CHIEF OF PARTY:

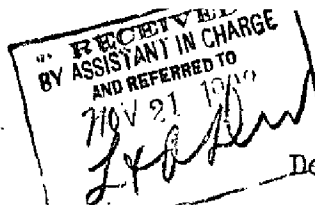
W. C. Dibrell

C. & G. SURVEY,
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NOV 21 1908

Acc. No.

2872



2872

ASSISTANT IN CHARGE

Descriptive Report to Accompany Topographic Sheet #

(Field # 1) Cof Alimvoak Bay, Afognak Island, Alaska 1908, Scale 1-20,000.
COASTAL SURVEY

This sheet shows the topography of Alimvoak Bay (locally known as Molino Bay), a long arm making into the western side of Afognak Island from Shelikof St. The bay is $3 \frac{1}{2}$ miles wide at the entrance, and 12 miles long. At about the middle of the bay, an arm $2 \frac{1}{2}$ miles in length branches off to the south-eastward. The middle of the entrance is in latitude $58^{\circ} - 13' N.$ longitude $153^{\circ} - 08' W.$ (approximate.)

2. The sheet indicates the shoreline and all details adjacent thereto showing above water. One-hundred-foot contours delineate in a general way the configuration of the land, to a distance of from one to two miles from the shore. The elevations of the most important summits appear in feet on the sheet, the plane of reference being high water. The elevations were determined by vertical angles, or furnished by the triangulation, and the lines of equal elevation were sketched in by estimation in the usual manner.

3. Three main triangulation points (Paramanof, Afognak, and Cloud) and one supplementary station (Trance) are plotted on the sheet. Cuts from these stations, and from topographic stations occupied for the purpose with theodolite, served to locate a number of points along the shoreline, and furnish a framework upon which to base the topographic details. The plane table and the usual methods of the service were used in developing the sheet.

4. The entire bay is shown, and on the south side of the entrance the shore line includes Steep Cape. On the north side of the entrance, the shore line joins that of Topographic Sheet #2873 (Field # 2). Litnic Lake is sketched in, aided by a few cuts.

5. The entrance to Alimvoak Bay is marked by bold headlands. The one to the south side of entrance, Steep Cape, is 1600 feet high. It shows as a dark rocky bluff, from the westward. The north side of entrance is less marked, there being no prominent bluffs but in place rounded slopes with a fair covering of grass.

6. The character of the shore is very irregular, changing from steep bluffs to gradual slopes. In most of the bights in the bay, are shingle-beaches which afford good boat-landings. The rest of the shoreline is steep, with large boulders or with nearly perpendicular walls.

7. The mountains surrounding the outer bay are covered for the most part with grass and alder-bushes. A few spruce trees are scattered through the valleys. On the east side of the inner bay, there is considerable spruce timber. The cliffs in the outer bay are of a greyish color.

Walter C. Irvine

Assistant, C. & G. Survey,
Chief of Party.

Forwarded November 14, 1908 from San Francisco, Cal.

NAUTICAL CHARTS BRANCH

SURVEY NO. J-2872

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

Applied to Chart No. —

8534, by James W. McGuire (1935).