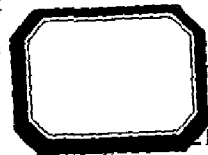


3813



Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

D. & G. SURVEY

L. & A.

JAN 3 - 1920

Ass. No.

State: *S. E. Alaska*

11-5813

DESCRIPTIVE REPORT.

Topo Sheet No. *3818*

LOCALITY:

Stephens Passage
Port Smithham
Southward

1920

CHIEF OF PARTY:

N. H. Heck

Descriptive Report to accompany Topographic
Sheet No. 10 special contour survey --- southern
part of Stephens Passage, S.E. Alaska.

Scale 1-40,000.

Li Limits.

This sheet delineates the land formation as seen from seaward. It covers the southern part of Stephens Passage, from north latitude $57^{\circ} 36'$ to $58^{\circ} 04'$ and from west longitude $133^{\circ} 39'$ to $134^{\circ} 11'$. It shows the land formation for three miles back of coast on both sides of Stephens Passage. The shore line for area covered by this sheet was surveyed on separate sheets, scale 1-20,000. Connection of form lines is made with adjoining sheets to north and south. This sheet was surveyed in 1920 by Jack Senior, H. & G.E., from Str. EXPLORER, N.H. Heck, Commanding.

Land formation.

The east coast of Stephens Passage, from Holkham Bay to Taku Harbor, is steep and rugged with high mountains rising abruptly from the coast. Mountains over 3000 feet high with steep rugged slopes lie less than two miles from shore. Except for highest mountains whose summits are bare, the entire country is heavily wooded. Glass Peninsula on the west side also has some lofty mountains rising 4000 feet above sea level, but they lie further back from the coast and hence the country does not seem as rugged as that on east side of passage. There are some deep valleys on Glass Peninsula between the high mountains while the land between Twin Point and Station Point is low and featureless. The entire country is rocky, rugged and thickly covered with spruce and other coniferous trees. The drainage is broken up into numerous swift streams, cascades, etc..

Survey Methods.

For the most part, elevations were obtained with theodolite and location with plane-table alidade, from Δ stations. Because of precipitous nature of coast it was often difficult to obtain accurate ^{or} readings on the highest part of mountain summits. Elevations are to tops of trees where summits are wooded. Where summit is bare, it is so noted on sheet. The heights of trees may be taken as 100 feet. Form lines are sketched for every 100 feet of elevation.

Jack Senior
H. & G.E.

DIRECTOR
ADDRESS THE SUPERINTENDENT
U. S. COAST AND GEODETIC SURVEY

AND REFER TO No. 4-VEC

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

April 20, 1921.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3813

Surveyed in 1920

Chief of Party: N. H. Heck. Surveyed and inked by Jack Senior.

1. This survey conforms to the General Instructions except that the magnetic meridian is not given, and there is only one determined elevation to 8 square inches on the sheet, instead of one to each 4 square inches, as prescribed in Circular No. 1, 1919 and in Paragraph 152 of General Instructions.
2. The extent of the survey satisfies the specific instructions and no further surveying is required.
3. The junctions with adjoining sheets are satisfactory.
4. The character of the surveying and inking of the sheet are good.
5. Reviewed by E. P. Ellis, April 19, 1921, and 2 copies of this report to be sent to Division of H. & T.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. ¹⁰ **3818**

State . **S E. ALASKA**

General locality . **Stephens Passage**

Locality **Port Snettisham southward**
~~Southern part of,~~

Chief of party **M.H. Heck, H.&G.E.**

Surveyed by . **Jack Senior, H.&G.E.**

Date of survey **September & October, 1920**

Scale **1:40,000**

Heights in feet above **mean sea level**

Contour interval . **100** . feet.

Inked by . **J.S.** Lettered by . **J.S. & B.F.**

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: