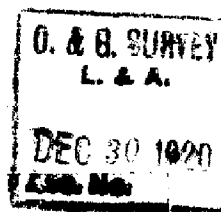


3809



3809

Form 504 DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY
State: <i>S. E. Alaska</i>
11-5613
DESCRIPTIVE REPORT. <i>Topo</i> Sheet No. <i>3809</i>
LOCALITY: <i>Stephens Passage</i> <i>Glass Peninsula -</i> <i>Vicinity of Station Pt.</i> <i>and Grand Island</i>
<i>1920</i>
CHIEF OF PARTY: <i>W. H. Heck</i>

Descriptive Report to accompany Sheet No.6.

Limit and extent.

This sheet covers the coast line from a point about $1\frac{1}{2}$ miles northwest of Twin Point on Glass Peninsula, S.E. Alaska., to a point about two miles S.E. of Cove Point on Glass Peninsula and includes also South and Grand Islands.

Description of Coast

The stretch of shore south of Station Point, Glass Peninsula is generally of a sandy and gravel nature. From Station Point in a westerly direction the shore is rocky and cliffy for about three miles and then it is sandy and gravel.

There are several islets along the shore that are sparsely covered with trees. The shore line of South Island is rocky but not steep except at the southeast side where Δ South is located. The shore line of Grand Island is very steep and rocky, generally.

There is kelp formation making off the shore of Glass Peninsula for a distance of 100 to 200 meters. Along the coast in the back ground there is a stretch of low country outlying dangers and islands.

There are two sparsely covered islets about $\frac{1}{2}$ mile south of South Island.. The northern one is 35 feet high and is connected with the mainland at L.L.W. by a sandy beach.

There is a very good anchorage for small craft south of the islet.

South Island is about two miles southeast of Station Point and about $\frac{1}{2}$ mile off shore and about 111 feet high. It is thickly covered with trees and at low water a rocky reef fringes it for a distance of 20 to 50 meters. There is a reef southeast of it that is awash at half tide - it is about 200 meters off shore. There is a small islet off Station Point. It is thickly covered with trees and about 135 feet high.

The small bay south of Station Point affords a good anchorage for small craft.

Anchorage.

There are two good anchorages south of Station Point - one about $\frac{1}{2}$ mile south; the other about 2 miles southeast.

Survey Methods.

Points of control were established by tertiary triangulation by Jack Senior, H. & G.E. The stations were as follows: Flag, not marked, South, Stone, Rock, Limestone, Ku, Tak, Grave, Grand and Doty 1917, and Cave 1917. Topographic stations established were Land, not marked; Mac, Nus, Hen, Step, Ling.

Augustus P. Ratti
Jr. H. & G.E.

Landmarks.

South Island about 111 feet high lies about $1\frac{3}{4}$ miles southeast of Station Point. It is thickly covered with trees.

There is a long stretch of sandy beach extending south of Station Point which is very conspicuous from seaward. Pinnacle rock, 25 feet, about $\frac{3}{4}$ mile southeast of \triangle Nus is very conspicuous.

Miscellaneous Remarks.

The coast from \triangle Stone to Rock was surveyed on Sheet 7 and is shown as dotted on this sheet.

Augustus P. Ratti
Jr. H. H. E.

AND REFER TO NO. 4-~~MEM~~

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3809.

Surveyed in 1920.

Chief of Party: N.H.Heck.

Surveyed and inked by A.P.Ratti.

1. The survey does not conform to the General Instructions in the following respects:
 - a. The magnetic meridian is not shown.
 - b. Descriptive report does not state accuracy of traverses between stations.
 - c. Descriptions and locations of plane table stations are not given in descriptive report.
 - d. The plane of reference for elevations should be mean sea level instead of high water.
 - e. On Glass Peninsula there is only one determined height to 52 square inches of contoured area on the sheet, instead of one to each 4 square inches.
 - f. Numerous legends show that the entire shoreline below the 200 foot form line is thickly wooded, but neither the sheet nor descriptive report show whether vegetation extends above the 200 foot form line.
 - g. Several islets are shown for which elevations are not given.
2. The junctions with adjoining sheets are satisfactory.
3. The extent of the survey satisfies the specific instructions, and no further surveying is required.
4. The character of surveying is fair and inking of the sheet is good.
5. Reviewed by E. P. Ellis, April 22, 1921, and two copies of this report to be sent to Division of Hydrography and Topography.

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. 3809

State S.E. Alaska

General locality Stephens Passage

Locality Glass Peninsula and Grand Island
-Vicinity of Station Pt.

Chief of party N.H. Heck,

Surveyed by Augustus P. Ratti.

Date of survey August . . 1920.

Scale 1:20,000

Heights in feet above H.W.

Contour interval 100. feet.

Inked by A.P. Ratti. Lettered by A.P. Ratti.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: