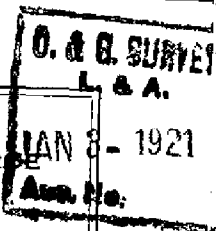


3811



Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: *S.E. Alaska*

11-5613

DESCRIPTIVE REPORT.

Topo Sheet No. 3811

LOCALITY:

Stephens Passage

East shore Glass

Peninsula -

Midway Pt to northward

1920

CHIEF OF PARTY:

W. H. Keck



POST-OFFICE ADDRESS:

TELEGRAPH ADDRESS:

EXPRESS OFFICE:

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

Descriptive Report to accompany Topographic
Sheet No. 8, east shore Glass Peninsula
from Midway Point to northward. Scale 1-20,000.

Limits.

This sheet extends from north latitude $57^{\circ} 44'$ to $57^{\circ} 57'$ from west longitude $133^{\circ} 52'$ to $134^{\circ} 03'$. It covers a section of the east shore of Glass Peninsula, on the west side of Stephens Passage beginning at Midway Point and running approximately north and north-northwest to a point on shore about three miles northwest of Twin Point. This survey joins on the north with sheet No. 6, on the south with sheet No. 9, and on the west connects with survey of opposite shore on sheet No. 5, all of which sheets were surveyed in 1920 by parties from the Str. EXPLORER. The shore line on this sheet was traversed by Jack Senior, M. & G. E., from Str. EXPLORER, N. H. Heck, Commanding. A separate sheet on a scale of 1-40,000, delineates the land formation back of the coast as seen from seaward.

Description of Coast.

The coast from Midway Point at the southern extremity of sheet to Point Glass trends about true north. From Point Glass to the northern limit of the sheet the coast trends approximately north northeast. The shoreline alternates from steep and rocky along the regular stretches of coast and on projecting points to low and sandy in the deeper indentations. The shore, except along the sandy stretches is ten to thirty feet high and backed close to by heavy coniferous growth. In the bays, where shore is low and sandy, there is usually some grassy land back of beach. The general appearance of coast however, as seen from seaward, is steep and rocky, heavily wooded, and with the mountains rising abruptly from the coast. A narrow ledge ten to thirty meters wide, bare at low water, fringes the coast. Off projecting points there are usually reefs projecting out from 50 to 100 meters. There are several fresh-water streams along this stretch of coast.

Landmarks.

There are no prominent navigational landmarks along this stretch of coast though the following may be of some value:

Midway Point, lying opposite Point Astley, in latitude $57^{\circ} 44'$, longitude $133^{\circ} 53'$, marks the northern limit of long, regular, narrow bay near the foot of Glass Peninsula. This point is distinguishable from seaward and made prominent by a white, rocky cliff about thirty feet high, backed by a round, grassy knoll. There is a small indentation in shoreline north of point.

Signal HUT, situated half-way between Midway and Glass Points, on latitude $57^{\circ} 46.5'$, longitude $133^{\circ} 54.2'$, is a small watchman's hut of brown appearance standing on grassy beach. There is a fish-trap a few hundred meters to south.

Pt. Glass, lying five miles north of Midway Point, is an indefinite, fairly regular point. The shore is steep and rocky, and about twenty-five feet high. It marks a turning point in the coast, where the shore line after running almost due north from Midway Point takes a northerly trend.

Twin Point, near the northern limit of the sheet, is the northern one of two somewhat similar wooded points on shore opposite Port Snettisham. It is a narrow point with steep, rocky shore, and as seen together with Twin Point to southward, makes a fairly good landmark.

Dangers.

In general, a rocky reef bare at LLW, fringes the coast. This reef is about twenty-five meters wide and steep to on its outer edge. At projecting points reef extends out from 50 to 100 meters. Also in the deeper indentations in coast and in the vicinity of streams there is usually a more extensive reef on the outside of, or connecting with, the sandy beaches. About one-quarter mile south of signal GLASS there is a rock, covered at half tide, lying 200 meters off shore. There are a number of rocks, covered at half tide and dangerous for small boats, about one mile south of signal GLASS, lying from 200 to 400 meters off sand and gravel beach. The stretch of coast extending three-quarter mile south from signal HUT is fronted by a reef 200 meters wide. Though no other sunken dangers were located in this topographic survey, it is probable that in the small bays and near entrance to streams there may be rocks dangerous to small craft in an area up to 400 meters from shore.

Anchorage.

There are no good ship anchorages along this entire stretch of coast. The EXPLORER once anchored in the small bay just south of Twin Pt. which information was submitted with coast pilot report. Good anchorage for small craft, with shelter from southeast winds, in any of the deeper indentations in the coast. There are fresh water streams and fine sand beaches in above recommended bays. The beaches in the vicinity of the larger streams are also good localities for beaching small boats.

Rivers, Towns.

There are several fresh water streams along the coast, the largest of which is the one west of the southern of the Twin Points, near the northern limit of the sheet. Of the other streams, the one just north of signal \triangle HUT and the one back of Twin Point are the largest. In general, trout fishing can be had in the larger streams. There are no towns along this coast.

Survey methods.

The triangulation controlling this survey is tertiary in character and the chain of quadrilaterals as brought forward from the primary and main scheme stations, signal \triangle PYBUS and signal \triangle TWIN as a base, is well within required accuracy. The stations, \triangle Midway Point, \triangle Glass, \triangle Twin Point and \triangle Anmer are main scheme stations. The stations \triangle Cop, \triangle Hut, \triangle Lee, \triangle Tus, \triangle Flag and \triangle Midway Island L.H. are located from main scheme stations. The shoreline was carefully traversed throughout and any slight discrepancy between triangulation stations was adjusted in the field. Triangulation stations \triangle Midway Island L.H. and \triangle Anmer gave excellent resections as shore was traversed. The low-water line was sketched with special effort being made to locate limits of reefs and rocks awash.

Magnetic observations were made with compass declinometer at all main scheme triangulation stations. Therefore declinatoire was not used.

No form lines are shown on the sheet. The country back of coast was delineated on a special sheet, scale 1:40,000.

All triangulation stations on this sheet except signal \triangle flag and also \odot Ant, which is the only station located by topography, are all marked and descriptions are submitted separately on forms 524 and 525.

\triangle Flag was not marked though its geographic position was computed and used in the field, due to disappearance of flag marking its position.

Jack Senior
H. & C. E.

Planetable Positions Sheet No. 8.

Object	Lat.	D.M.	Long.	D.P.	Height	Remarks
Ant	57 51	1555	133 58	80	8 ft.	station disk

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

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3811.

Surveyed in 1920.

Chief of Party: H.H.Heck.

Surveyed and inked by Jack Senior.

1. This survey conforms to the General Instructions except that the magnetic meridian was not shown on the sheet.
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 both surveying and inking are good. The descriptive report is a good example of what a report should be.
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. 8 3811

State . **S E ALASKA**

General locality . **Stephens. Passage**

Locality **East shore Glass Peninsula - Midway Pt. to northward**

Chief of party . **N.H. Heck, H.&G.S.**

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

Date of survey . **September, 1920**

Scale **1:20,000**

Heights in feet above . **mean sea level**

Contour interval . **100** . feet.

Inked by **J.Senior** 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: