

3804

C. & B. SURVEY
L & A.
DEC 30 1920
Attn. Mr.

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

State: *S. E. Alaska*

11-5613

DESCRIPTIVE REPORT.

Topo. Sheet No. *3804*

LOCALITY:

Stephens Passage
Admiralty I -
Grant I. to
The Brothers

1920

CHIEF OF PARTY:

W. H. Heck

3804

DEPARTMENT OF COMMERCE

U.S.Coast & Geodetic Survey, Washington D.C.

E.Lester Jones, Director.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET
No. 1.

Covering the east coast of Admiralty Island, Southeastern Alaska.

By

U.S.C.& G.S.Str. EXPLORER.

Executed by Augustus P.Ratti, Jr. H.& G.E., under direction
of N.H.Heck, H., G.E. Commanding Str.EXPLORER.

Season- April 1920 to October 1920.

Date of instructions

January 7, 1920
March 2, 1 920.

Limits and Extent.

Sheet No. 1 covers the east coast of Admiralty Island, southeastern Alaska, from Point Pybus in a northeasterly direction to False Point Pybus and then in a northwesterly direction to Church Point; it covers Price Island, Chapel Island, Gambier Island and Romp Island and a stretch of coast adjacent to Seymour Canal about $1\frac{1}{2}$ miles long, on the main shore of Admiralty Island. This point is the limit of the survey for this sheet and this season. The next sheet begins at Point Hugh, on Glass Peninsula, and runs north. This sheet covers also Round Rock and the east shore of the western island of The Brothers. It also covers the form lines of this area.

System of Control.

Points of control were established by tertiary triangulation by Jack Senior, H. & G. E.

The main scheme stations are as follows: Δ Round Rock (Michelberg 1917), Δ Fox, J. Senior 1920, Δ Pybus (Michelberg 1917) and Δ Gambier Light. Δ End, Δ Bus, Δ Bar, Δ Tan, Δ Tal, Δ Bow, Δ Sob, Δ Tee; the latter eight stations were marked with a hydrographic disc and described on form No. 524.

Methods and

General description of Coast.

Traversing was done along the entire stretch of shoreline and was tied up by Δ stations. Resections on Δ Round Rock, Δ Fox and Δ Gambier offered good checks on the traverse.

The nature of the shoreline of the west of The Brothers is of a steep rocky character. There are a few small indentations which are of a sandy and gravel nature. Traverse was carried from Δ Fox along unfinished shoreline and a resection on Round Rock gave sufficient check. There is a kelp formation along the southeast shore. The northeast shore of the island is very steep and rocky. The island is thickly wooded. There is a small stream about one mile south of the most northerly point on the east shore. The island is being used as a fox farm.

The small bays of this island can be used as anchorages for small craft. The current between the west and east island is strong.

ROUND ROCK is 40 feet high and covered with grass and beautiful flowers. There is a kelp formation all around the rock; on the westward of rock it extends out to a distance of about 200 meters. The area surrounding this rock was wiredragged about 500 meters from shore and for navigational purposes found clear. The water is much deeper eastward off the rock.

The nature of the coast from Point Pybus to Church Point is rocky in character generally. There are stretches of sandy and gravel beaches along the coast. Directly south of Point Pybus about one-third mile off shore there is a small island covered with grass and with but one tree. It is about 25 feet high. At low water there is a rocky reef that extends out ~~from~~ ^{for} 20 meters from the south side to 200 meters on the southwest side. There is a kelp formation all around this vicinity and therefore small craft should take exceptional care in navigating thru this area.

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

The shore at False Point Pybus is very steep and of a white rocky nature.

There is a suitable anchorage for small craft at Δ Pybus or False Point Pybus. The shore north of False Point Pybus is generally of a sandy and gravel nature. The projecting points along the shore are rocky and have rocky reefs extending out from 20 to 30 meters.

Price Island lies about 600 yards off the southwest shore of the outer bay. The island is thickly covered with trees and about 165 feet high. Ledges extend southeast of the island for a distance of about $\frac{3}{4}$ mile.

There is a small island about 200 yards south of the island covered with trees. Between this small island and Price Island there is a very large boulder (white) and about 25 feet high.

Chapel Island is about $\frac{3}{4}$ mile northwest of Price Island, thickly wooded and about 141 feet high. Ledges extend south of it for a distance of about 300 yards. Between Chapel and Price Islands there are ledges that are bare at low water.

At Point Gambier a rocky reef extends in a southeasterly direction for a distance of 400 meters. The old chart shows a detached rock off this point; it is in reality a continuous reef. Ships should therefore give this point a wide berth.

Gambier and Romp Islands are connected by a gravel and rocky reef about 50 to 150 meters wide. The low water line of Romp Island extends out from 50 to 100 meters. Both these islands are thickly covered with trees and are 280 to 260 feet high respectively.

LANDMARKS.

A very prominent scar in the shape of a figure seven. It is 457 feet above sea level and about $\frac{1}{2}$ mile south of False Point Pybus. It is named VEN and is described on form 524.

There is a conspicuous sandy beach about 1 mile long and about $1\frac{1}{2}$ miles southwest of False Point Pybus. A fish trap and numerous piles are located on the north part of the beach. A large stream is located near the fish trap and a hut on the shore.

A large boulder located on a rocky reef south of Price Island and described on form #524 under the name BOW

Augustus P. Ratti
Jr. N.Y.C.

Planetable positions

Name	Latitude	Lon D.M. Sec	Longitude	D.P.	Remarks
	0 °	Meters	0 °	Meters	
Sheet 1					
Bert.	57 27	1404.0	133 55	172.0	Light house
Dowl(Coal)	57 28	1307.0	133 51	950.0	Hydrographic disk
Plec	57 18	448.0	133 59	39.0	" "
Ven	57 21	892	133 52	821.0	Prominent scar
Sheet 2					
Hur	57 26	263	133 54	151	Whitewashed rock
Sheet 3					
Scar(Brown)	57 28	456	133 31	172	Cliff scar
Mac	57 31	173	133 30	811	Hydrographic disk
Tish	57 57	1700	133 49	932	" "
Kink	57 28	1772	133 31	270	" "
Wash	57 32	102	133 31	43	Whitewashed rock
Sheet 5					
Pin	57 58	580	133 53	351	" point
Mar	57 57	81	133 51	141	" "
Cade	57 52	1631	133 47	533	Hydrographic disk
Snet	57 58	857	133 52	910	" "
Sheet 6					
Hen	58 05	1470	134 06	389	" "
Ling(Rave)	58 05	1312	134 04	100	" "
SteP	58 05	321	134 06	121	" "
Nac	57 59	1550	134 05	341	" "
Land	57 59	900	134 05	799	Detached rock
Nus	58 03	1250	134 09	390	Whitewashed rock

AND REFER TO NO. 4-VEC

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

April 22, 1921.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3804

Surveyed in 1920.

Chief of Party: N. H. Heck. Surveyed and inked by A. P. Ratti.

1. This survey conforms to the General Instructions with the following exceptions:
 - a - The magnetic meridian is not shown.
 - b - The plane of reference should be mean sea level instead of high water.
 - c - There is only one determined height to each 23 square inches of contoured area on the sheet, instead of one to each 4 square inches.
 - d - Except for a narrow strip alongshore the character of vegetation is not indicated.
2. The junctions with adjoining sheets are satisfactory. The shoreline of the western Brother Island, as shown on topographic sheet 3691, appears to be in error and will require a cartographic adjustment to join 3804.
3. The extent of the survey satisfies the specific instructions.
4. This survey represents the relief north of False Point Pybus considerably different from that shown on Chart 8200 (the latter being taken from topographic sheet 1965). As the determined heights in this vicinity are very sparse on 3804 the accuracy of the survey is questionable, and a more complete survey of the relief should be made if opportunity offers.
5. The character of the surveying is fair and inking is good.
6. Reviewed by E. P. Ellis, April 22, 1921 and 2 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. 3804

State . . . S.E. Alaska

General locality . . . ~~Admiralty Island~~ Stephens Passage

Locality . . . ~~Stephens Passage~~ Admiralty I. - Grant I. to The Brothers

Chief of party N.H. Heck, H. & G. E.

Surveyed by . . Augustus P. Ratti

Date of survey . April 1920

Scale . 1:20,000

Heights in feet above H.W.

Form line
Contour interval 100 . . feet.

Inked by Augustus P. Ratti Lettered by . . Augustus P. Ratti . .

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: