



3782

U.S. COAST AND GEODETIC SURVEY
FORM NO. 504
MAY 1915

Diag. Ch. No. 8102-2

3782

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

State: *Alaska*

11-5613

DESCRIPTIVE REPORT.

Hydrographic Sheet No. *3782*

LOCALITY:

Southeast Alaska
North side of Mary Island
Custom House Cove

1915

CHIEF OF PARTY:

C. G. Quillian

DESCRIPTIVE REPORT

TO ACCOMPANY ^{Hydrographic} ~~TOPOGRAPHIC~~ SHEET NUMBER 3752

CUSTOM HOUSE COVE, AND NORTH SIDE
OF MARY ISLAND
S. E. ALASKA

Work done under instructions of the Superintendent
dated March 24 and
April 30,
1915

PARTY OF STEAMER McARTHUR
C. G. Quillian, Chief of party.
SEASON OF 1915

September 13 to 18
1915

Topography by William K. Deelittle Aid.

DESCRIPTIVE REPORT TO ACCOMPANY ^{Hydrographic} ~~Topographic~~ SHEET # 3782
CUSTOM HOUSE COVE AND NORTH END OF MARY ISLAND

Introduction

This sheet includes the shore of Mary Island from Beaver to Mary Island Light House, and is included between parallels 55-03' and 55-05' N. and meridians 131-11' and 131-15' W. The scale of the sheet is 1-10,000

General Description

To a person entering Revillagigedo Channel from the North and proceeding past Beld Island, Mary Island appears as a low lying island, heavily wooded, on the right hand side of the channel. Entering Revillagigedo Channel from the South, the light house is visible from as far south as Tree Point. There are no prominent elevated points on the territory covered by this sheet, the average elevation being below 200 ft. The forestation on the island corresponds with the general type of the surrounding country. The shore also has no prominent features, being rocky with an occasional bit of gravel beach, usually at the head of a bight near the mouth of a small stream.

Detailed Description

There are two rocks lying about 100 m. due west of station Beaver which bare about seven feet at M. L. L. W. The water in their vicinity is shoal, and the whole area must be given a wide berth.

Off the end of the peninsula north of Beaver there is a small rocky islet with no vegetation, which almost covers at very high tides. It lies at the entrance of Custom House Cove and about 60 meters off the point which is on the right of the entrance.

Custom House Cove takes its name from the custom house which is situated on its eastern side. The house is not now in use, but is in a fair state of repair, and forms a prominent landmark on account of its size and white color. The cove itself is not a marked indentation, but forms a good harbor for the reason that it offers shelter from the southeasterly winds which are most prevalent in bad weather in this locality.

DESCRIPTIVE REPORT TO ACCOMPANY TOPOGRAPHIC SHEET #
CUSTOM HOUSE COVE AND THE NORTH END OF MARY ISLAND

North from Custom House Cove and about 300 m. off shore is a structure of seven piles with a lintel, part of an old fish trap.

Giant Point is the name given to the northwesternmost point on the island. Westward from here the shore is broken by several deep indentations which together form a bay with entrance toward the North, bounded on the East by Point Winslow. Giant Point has reefs extending about 100 m. out from the high water line, and the same is true of Point Winslow. The bay between the two Points is quite clear of offlying rocks, but shoals rapidly toward the head, and has much low water area.

Point Winslow is cleared for a space at the extremity in order to give visibility of the light toward the Northwest. From the extremity the shore follows an almost true southerly direction, curving slightly outward to the Mary Island Light House, which is a white octagonal tower containing a fourth class light. The buildings are set up on a slight elevation, and the shore here is a little more bluff than usual. There are two dwellings, two fuel storage houses, a storehouse and a boat-shed.

The survey was conducted with plane-table and telemeter rod as follows:

Triangulation stations Beaver, Ant, Giant, South Twin and Mary Island Light were plotted on the sheet and traverses run between, with a three-point fix at Point Winslow.

Place Names.

No new place names were assigned.

PLANE TABLE POSITIONS

TO ACCOMPANY TOPOGRAPHIC SHEET No. _____

CUSTOM HOUSE COVE AND NORTH END OF MARY ISLAND,
SOUTHEASTERN ALASKA.

STATION	LATITUDE		LONGITUDE		HEIGHT IN		REMARKS.
	o	' METERS.	o	' METERS.	FT. ABOVE	H. W.	
Mit	55 - 05	1735 120	131 - 11	80 984	3	Rock pile, pole & flag. Not recoverable.	
Pot	55 - 06	100 1755	131 - 11	203 861	3	Rock pile, pole & flag. Not recoverable.	
Red	55 - 06	533 1322	131 - 11	305 759	3	Rock pile, pole & flag. Not recoverable.	
Rob	55 - 06	885 970	131 - 11	484 580	0	Rock pile, pole & flag. Not recoverable.	
Clear	55 - 06	862 993	131 - 11	542 522	3	Large boulder on inside of Point Winslow.	
Pit	55 - 06	348 1507	131 - 11	764 300	0	Rock pile, pole & flag. Not recoverable.	
Tip	55 - 06	527 1328	131 - 11	724 340	1	Rock pile, pole & flag. Not recoverable.	
Ger	55 - 06	660 1195	131 - 11	901 163	4	Rock pile, pole & flag. Not recoverable.	
Pen	55 - 06	525 1330	131 - 11	992 72	6	Rock pile, pole & flag. Not recoverable.	
Tin	55 - 06	783 1072	131 - 11	1019 45	3	Rock pile, pole & flag. Not recoverable.	
Dib	55 - 06	1035 820	131 - 12	160 904	4	Rock pile, pole & flag. Not recoverable.	

PLANE TABLE POSITIONS
 TO ACCOMPANY TOPOGRAPHIC SHEET No. _____
 CUSTOM HOUSE COVE AND NORTH END OF MARY ISLAND,
 SOUTHEASTERN ALASKA

STATION	LATITUDE		LONGITUDE		HEIGHT IN		REMARKS
	o	' METERS.	o	' METERS.	FT. ABOVE	H. W.	
Cab	55	- 06	1034	131 - 12	549 515	1	Rock pile, pole & flag. Not recoverable.
Rat	55	- 06	1042 813	131 - 12	466 598	2	Rock Pile, pole & flag. Not recoverable.
Gin	55	- 06	1319 536	131 - 12	437 627	2	Rock pile, pole & flag. Not recoverable.
Cent	55	- 06	850 1005	131 - 12	989 75	3	Central of 7 piles of old fish trap.
Nit	55	- 06	348 1507	131 - 12	680 384	0	Large boulder at head of bight.
Hick	55	- 06	462 1393	131 - 12	935 129	2	Rock pile, pole & flag. Not recoverable.
Led	55	- 06	367 1488	131 - 12	50 1014	2	W.W. boulder. Copper bolt.
Kate	55	- 05	952 903	131 - 13	589 475	0	W.W. boulder. Not recoverable.
Poo	55	- 05	619 1236	131 - 13	878 186	0	Braced center pole. Not recoverable.
Half	55	- 05	755 1100	131 - 13	998 66	0	Braced center pole. Not recoverable.
Try	55	- 05	531 1324	131 - 14	48 1016	3	Braced center pole. Not recoverable.
Crook	55	- 05	1075 780	131 - 14	87 977	4	Braced center pole. Not recoverable.
Tan	55	- 05	903 952	131 - 14	375 689	2	W.W. boulder. Copper bolt.

Respectfully submitted,

William K. Doalittle

Aid, C. & G. Survey.

WKD/MDG.

HYDROGRAPHIC SHEET 3782.

Felice Strait, Alaska, by Assistant C. G. Quillian
in 1915.

TIDES.

	Cat Island ft.	Ketchikan ft.
Mean lower low water or plane of reference on staff	3.5	1.4
Lowest tide observed " "	0.9	-2.9
Highest " " " "	20.5	21.5
Mean range of tide	12.8	13.1