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

State: _____
11-5513

DESCRIPTIVE REPORT.

Top Sheet No. *3548*

LOCALITY:

191

CHIEF OF PARTY:

8433

DESCRIPTIVE REPORT

TO ACCOMPANY TOPOGRAPHIC SHEET No. 3548

OF

MARY ISLAND AND POINT ALAVA, ALASKA.

WORK DONE UNDER INSTRUCTIONS FROM THE SUPERINTENDENT

DATED MARCH 24, and APRIL 30, 1915

SEASON 1915

PARTY OF STEAMER MCARTHUR

ASSISTANT C.G. QUILLIAN

Chief of Party.

Topography by Revue C. Briggs, Aid.
and
S. Davis Winship, Aid.

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET No. 3548 OF
MARY ISLAND AND POINT ALAVA, ALASKA.

This sheet shows, on a 1/20000 scale, the east shore of Mary Island and the south point of Revillagigedo Island. The limits of the sheet are from latitude $55^{\circ} 00'$ to $55^{\circ} 14'$ and from longitude $131^{\circ} 00'$ to $131^{\circ} 21'$.

GENERAL DESCRIPTION.

Mary Island is low and very thickly wooded, with a broken shoreline and numerous offlying rocks and reefs, especially on the south end. The portion shown on this sheet has a general north and south trend and a succession of alternate small coves and steep points. The shores on the east side are considerably steeper than elsewhere, and there is little low water area. The trees come close to the edges of the bluffs, which rise in places to a height of 25 feet above H.W.

Point Alava is rugged and steep, hills 1000 feet in height rising abruptly from the water. It is thickly covered with trees to the tops of the bluffs which rise in places to a sheer height of 40 feet. The shoreline is somewhat broken by small coves, but, except one small group of islets lying 400 metres from shore, there are no outlying menaces to navigation.

DETAILED DESCRIPTION
SHORELINE ISLANDS AND DANGERS

There are no rocks far enough off the east shore of Mary Island to be dangerous to navigation. The small island off the southeast point Mary Island on which a light is located, is thickly wooded, has steep shores, and shows prominently from the southwest. It is surrounded by reefs, and a small rocky islet shows 6 feet above H.W., 200 metres ENE true. One and one-half miles true north from this is another small densely wooded island 600 metres off shore. The shores of this island are ~~very~~ steep and there is apparently deep water all around it.

All the coves open to the southeast and there are no good anchorages.

Three quarters of a mile SSE of Mary Island Light-house is a very prominent point about 50 feet high, which has been cleared of trees to render the light visible from the south. The lighthouse itself, about 60 feet high, is upon a low grassy point.

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With the exception of a few rocks within two or three hundredmetres from shore, and the group of islands already mentioned, on which is located @ Alava, Point Alava is apparently free from any dangers to navigation. All the coves open to the southeast and there are no good anchorages.

SURVEY METHODS.

The regulation outfit of the Coast Survey, including Plane Table, Alidade, And Telemeter Rods, was used for this survey. The projection was made and triangulation stations plotted before the topography was done. the locations on the Mary Island shore were by thre point fix, using triangulation stations on the opposite shore. The same methods were used on the Point Alava shore.

The east shore of Mary Island was run by R.C. Briggs, Aid, and the Point Alava shore was run by S. Davis Winship, Aid.

Respectfully submitted,

R. C. Briggs Aid.

S. Davis Winship Aid.

PLANE TABLE POSITIONS
 TO ACCOMPANY TOPOGRAPHIC SHEET No. _____
 MARY ISLAND and POINT ALAVA, ALASKA.

STATION	LAT. ° ' "	D.M. METERS	LONG. ° ' "	D.P. METERS	HEIGHT IN FT. ABOVE H.W.	REMARKS.
Mar	55 - 02	1401 454	131 - 11	220 846	6	Braced center pole. Copper bolt.
At	55 - 04	1217 638	131 - 10	875 190	15	W. W. Copper bolt.
Alava	55 - 11	605 1250	131 - 12	276 786	20	W.W. Galv. Iron Spikes.
Rug	55 - 11	775 1080	131 - 11	149 913	2	W.W. Copper bolt.
Greel	55 - 12	796 1059	131 - 08	1011 50	6	W.W. Copper bolt.