

4161a**&**b

Form 504		C. & G. SURVEY L & A. FEB 25 1926 Acc. No.
DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY		
State: <u>S. E. Alaska</u>		
11-5613		
DESCRIPTIVE REPORT.		
Topographic Sheet No. <u>4161a&b</u>		
LOCALITY:		
<u>S. E. Admiralty Island</u>		
<u>Lower Part of Gambier Bay</u>		
Upper " " " "		
1925		
CHIEF OF PARTY:		
<u>F. B. T. Sieme</u>		

4161a**&**b

DESCRIPTIVE REPORT

to accompany

Topographic Sheet of Gambier Bay

- 1925 -

This re-survey of Gambier Bay was made under the Director's instructions of February 14, 1925. It joins topographic sheet Register No. 3804 on each side of the entrance to the bay. The topography was done on two sheets both of which are treated in this report.

GENERAL DESCRIPTION OF COAST: The shores of Gambier Bay are rocky for the most part with few conspicuous bluffs. A number of small islands cut the bay into narrow channels. The shores are heavily wooded to the water's edge.

LANDMARKS FOR CHART: A large conspicuous gray granite boulder forms a well defined landmark. This is designated as signal 307 on the topographic sheet. This boulder is about twenty feet in diameter and is approximately round in shape. It stands alone on a washed out bench and is visible from a wide range of directions. In clear weather it may be seen for a distance of 3 or 4 miles.

OFFSHORE SANDBARS: Numerous reefs are shown on the topographic sheets in various parts of the bay with complete information as to stage of tide at which they bare, the legend "barren 4 feet" meaning that the rock projects 4 feet above the surface of the water when the tide is at the datum plane of mean lower low water.

SURVEY METHODS: The topography of these sheets was done with planetable and stadia based on a system of predetermined triangulation. The accuracy is well within the limits prescribed in the General Instructions. That portion of the low water line shown on the topographic sheet was determined by planetable stadia readings at low water, the reefs in particular around signal 307, while they do not agree exactly with previous topographic surveys, were very carefully determined and may be taken to supersede all former work.

Respectfully submitted:

H. W. Tyler.

Jr. H. & L. topographer

Approved:

H. W. Tyler.

H. & L. Chief of Party.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

41612

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.

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Register No. 41612

State . S. E. Alaska,

General locality . ~~Stephen Passage~~ SE Admiralty Island . .

Locality ~~Lower Part of Gambier Bay~~

Chief of party . . F. B. T. Siems

Surveyed by . . . H. W. Tyler

Date of survey . . April - May 1925.

Scale 1:20,000

Heights in feet above Mean sea level.

Contour interval . 100 . feet.

Inked by . H. W. T. Lettered by . H. W. T.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, ☒ Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks:

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

4161b

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. 4161b

State . . . S. E. Alaska

General locality . . . ~~Stephens Passage~~ ^{SE} Admiralty Island

Locality ^{Upper Part of} Gambier Bay, Admiralty Island

Chief of party . . . F. B. T. Siems

Surveyed by . . . D. H. Askew

Date of survey . . . April-May 1925

Scale . . . 1/20,000

Heights in feet above Mean Sea Level

Contour interval . . 100 . feet.

Inked by D. H. Askew . . Lettered by D. H. Askew

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

Remarks: