**DESCRIPTIVE REPORT**

**Topographic**  
**Sheet No. B**

<table>
<thead>
<tr>
<th>State</th>
<th>British West Indies</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LOCALITY</strong></td>
<td></td>
</tr>
<tr>
<td>Jamaica Island</td>
<td></td>
</tr>
<tr>
<td>Portland Bight</td>
<td></td>
</tr>
<tr>
<td>Galleon Harbor</td>
<td></td>
</tr>
</tbody>
</table>

19341

**CHIEF OF PARTY**  
G. C. Mattison
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter B
REGISTER NO T6799

State JAMAICA, B.W.I. RESTRICTED

General locality PORTLAND BIGHT
Locality GALLEON BAY Harbor
Scale 1:200 Date of survey Feb. 10-25, 1941

Vessel U.S.C.G. S.S. "HYDROGRAPHER"

Chief of Party G. C. MATTISON

Surveyed by J. C. TRIBBLE, JR.

Inked by J. C. TRIBBLE, JR.

Heights in feet above M.H.W. to

Contour Approximate contour interval 5 feet
Instructions dated February 18, 1941 (Radiogram) 19

Remarks:

U.S. GOVERNMENT PRINTING OFFICE 1941
DESCRIPTIVE REPORT
TO ACCOMPANY
TOPOGRAPHIC SHEET, FIELD No. B T-6799
PORTLAND RIGHT - - - GALLEON BAY Harbor
JAMAICA, B. W. I.

INSTRUCTIONS:
This work was done in accordance with Director's In-
structions for Project No. H.T.-260 dated November 9, 1940.
(Note: date of instructions on Title Sheet attached to Topo-
graphic Sheet is in error.)

SHORELINE:
No shoreline was located on this sheet by topography;
such shore line as is shown on the sheet was traced from boat
sheets Fields Nos. 2 and 6.

CONTROL:
Third order triangulation stations PARK, AMITY and SALT,
1940 furnished control for this survey.
A line of levels with spirit level was run from △ PARK
to △ AMITY thence to △ SALT. Numerous elevation points
furnished complete control for contouring.

TRAVERSES:
Plane table traverses were run from △ PARK to △ AMITY and
from △ AMITY to △ SALT. Also traverses were run from △ PARK
south to the mangrove line thence back to \( \triangle \) PARK.

The traverse from \( \triangle \) AMITY to \( \triangle \) SALT failed to close by 8 meters. Adjustment was made by distributing the error according to standard practice. This 8 meter error was considered acceptable since the set-up points were very close and the ground swampy. All other traverses closed with a maximum error of 3-1/2 meters.

INCOMPLETE AREAS:

The part of this sheet outside the five foot contour was not considered of great importance and consequently no excess time was spent in determining the mangrove line and other local features. At the time of the survey it was believed that aerial photographs would be available for determining the extent of the rivers, drains and vegetation. With this in view a number of points were determined on the sheet to assist in the photo compilation. (See red circled dots with notes on sheet.)

COMPARISON WITH OTHER SURVEYS:

No previous surveys were available for comparison. Comparison with the topographic sheet to the westward showed close agreement. The small differences noted were made to agree with this sheet since \( \triangle \) PARK of this sheet was near the junction of the two sheets.

The short section of the north bank of Salt river (in vicinity of \( \triangle \) SALT) was located by traverse. The delineation of
the river was located on boat sheet Field No. 2. The apparent
descrepancy in the topographic and hydrographic location of the
river bank is the fact that the topographic location is the water
line while the hydrographic party of necessity could only locate
the mangrove line. In general the mangroves would overhang the
banks from five to fifteen meters.

SWAMPS:

All the area from AMITY to SALT is impenetrable swamp.
Several attempts were made to cut trails through this area. The
only trail finished was cut eastward from a point northeast of
AMITY then south to SALT.

After three weeks of dry weather there was 1 to 1 1/2 feet of
water in this area. After a moderate rain water is 1 1/2 feet deep
at AMITY and increases in depth to the southward.

SOIL:

The soil over the entire area of this sheet is of a sticky
gumbo character. When wet it clings to ones shoes until it breaks
off of its own weight. The surface is firm even in the areas
bordering the swamps, after several days rain and with a foot of
water on the ground the mud depth is only a few inches. Above the
five foot contour the ground dries rapidly; 48 hours after a pour-
ing rain a truck can make its way over the dirt roads.

STATISTICS:

A table of statistics is attached.
TOPOGRAPHIC SIGNAL

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHITE</td>
<td>Banner</td>
<td>Not recoverable</td>
</tr>
</tbody>
</table>

LIST OF SIGNALS

TRIANGULATION STATIONS

<table>
<thead>
<tr>
<th>Name</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>PARK</td>
<td>1940</td>
</tr>
<tr>
<td>AMITY</td>
<td>1940</td>
</tr>
<tr>
<td>SALT</td>
<td>1940</td>
</tr>
<tr>
<td>BLACK</td>
<td>1940</td>
</tr>
<tr>
<td>EON</td>
<td>1940</td>
</tr>
</tbody>
</table>

STATISTICS

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statute miles of shore line</td>
<td>0.2</td>
</tr>
<tr>
<td>Area square statute miles</td>
<td>1.2</td>
</tr>
</tbody>
</table>
DIVISION OF CHARTS
SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY
Register No. 6799 (1941)
Field No. B

Jamaica, British West Indies, Portland Bight, Galleon Harbor
Surveyed February 1941, Scale 1:4,800
Instructions dated November 9, 1940 (GILBERT)

Plane Table Survey
Aluminum Mounted

Chief of Party - O. C. Mattison
Surveyed by - J. C. Tribble, Jr.
Inked by - J. C. Tribble, Jr.
Reviewed by - Harold W. Murray
Inspected by - H. R. Edmonston, September 23, 1941

1. Junctions with Adjacent Surveys

a. The junction on the west with T-6798 (1941) is satisfactory. The apparent difference in the overlapping elevations is due to the plane of reference on T-6798 which is 0.64 feet below the standard plane of mean high water on the present survey.

b. The junction on the southeast with T-6800 (1941) is satisfactory. The apparent 20 m. difference at the eastern end of Salt Island Creek is due to the fact that the shoreline represented by a solid line is the actual north bank whereas the broken line just southward is the actual limit of the mangrove.

c. About 1/8 square mile of mangrove area exists southwest of the junction of the present survey and T-6800 (1941). This mangrove limit is surveyed on H-6641 (1941).

2. Comparison with Prior Surveys

No prior surveys have been made by this Bureau in this area.

3. Comparison with H. C. Chart 1683 (New Print dated June 1938)

This chart contains no information that needs specific consideration in this review. The magnetic meridian on the present survey agrees closely with the charted value.
4. **Compliance with Project Instructions**
   Satisfactory.

5. **Condition of Survey**
   Satisfactory. Geographic names for this area are considered in the Descriptive Report of H-6641 (1941).

6. **Additional Field Work Recommended**
   None.

7. **Superseded Surveys**
   No prior surveys by this Bureau have been made in this area.

Examiner and approved:

Chief, Surveys Section  Chief, Division of Charts

Chief, Section of Hydrography  Chief, Division of Coastal Surveys