FORM 594
Rev. Dec. 1923
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
R. S. PATTON, CHIEF

DESCRIPTIVE REPORT
Topographic
Hydrographic

Sheet No. B

State... British West Indies

Locality
Antigua Island
Parham Harbor

19340-41

Chief of Party
H. Arnold Karo

U.S. GOVERNMENT PRINTING OFFICE: 1936
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 No. __________

REGISTER NO. T6783 RESTRICTED

State __________ BRITISH WEST INDIES __________

General locality __________ ANTIGUA ISLAND __________

Locality __________ PARGAIL HARBOUR __________

Scale 1:4800 __________ Date of survey __________ January __________, 1941 __________

Vessel __________ U.S.C.G.S. LYDONIA __________

Chief of party __________ H. ARNOLD KARO __________

Surveyed by __________ Fred A. Riddell __________

Inked by __________ Fred A. Riddell __________

Heights in feet above __________ to ground __________ to tops of trees __________

Contour, Approximate contour, Form line interval __________ feet __________

Instructions dated __________ November 9 __________, 1940 __________

Remarks: __________ Special Surveys __________ Project MT-259 __________

* * *
The work on this sheet was accomplished in conjunction with the work called for in instructions of November 9, 1940, Project HT-259.

The control consisted of third order triangulation established in 1940 in accordance with the instructions mentioned above.

Survey Methods

Standard topographic practices were followed. Most of the signals were located by three intersecting cuts taken either from triangulation stations or from three point fix positions. As the principal purpose of the sheet was to locate signals for hydrography the delineation of the shoreline was not done in very great detail. Most of the set-ups were in the water and rod readings were taken on the highwater line wherever it was visible but in the swampy areas the outer edge of the mangrove was the line which was delineated. No effort was made to penetrate and determine the depth of the swamps. Few and only short traverses were run as it was possible to rod most of the detail from three point fix positions. A short traverse was run between triangulation station FALL and triangulation station FORT RYHAM EAST BASE. The error of closure was one and a half meters
which was adjusted.

GENERAL DESCRIPTION

Overhanging trees and bushes cover most of the shoreline as indicated by the fine dashed line. The outer edge of the mangrove is thick and impenetrable and forms a definite line. The shoreline at the village of Parham is indefinite as it consists of ruins of old structures and dump heaps.

LANDMARKS

St. Peters Church Spire
St Georges Church Cross

LIST OF TRIANGULATION STATIONS

BLACK 1940          PARHAM 1940
Fort BYHAM EAST BASE 1940   RAT 1940
FALL 1940              ST. PETERS CHURCH SPIRE 1940
WAN 1940               THORP 1940

LIST OF TOPOGRAPHIC SIGNALS

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<thead>
<tr>
<th>NAME</th>
<th>DESCRIPTION</th>
<th>NAME</th>
<th>DESCRIPTION</th>
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<td>Art</td>
<td>&quot;Banner&quot;</td>
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<td>&quot;Banner&quot;</td>
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<tr>
<td>Ben</td>
<td>&quot;</td>
<td>Nu</td>
<td>Center small building</td>
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<td>Boo</td>
<td>&quot;</td>
<td>Off</td>
<td>&quot;Banner&quot;</td>
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<td>Boy</td>
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<td>Kit</td>
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<td>HARNACLE HILL</td>
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<tr>
<td>RAT I.</td>
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<td>VERNON I.</td>
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<tr>
<td>WINTHORP CREEK</td>
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Respectfully submitted

Fred A. Riddell, Lieut.(j.)
C.O. G.S.

APPROVED AND FORWARDED

H. Arnold Karo, Commanding Officer
Ship LYDONIA
CHART DIVISION
SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY NO. 6783 (1941) FIELD NO. 3B

British West Indies, Antigua Island, Parham Harbour
Surveyed in January 1941, Scale 1:4,800
Instructions dated November 9, 1940 (LYDONIA)

Plane Table Survey

Chief of Party - H. A. Karo
Surveyed and inked by - F. A. Riddell
Reviewed by - J. A. McCormick
Inspected by - H. R. Edmonston, September 30, 1941

Aluminum Mounted

1. Adjoining Surveys

A satisfactory junction was effect with T-6781 (1941) on the southeast. A few signals were located on T-6784 (1941) on the north but the northern limits of the present survey are also the limits of the 1941 shoreline.

2. Previous Surveys

Previous British surveys of the area are not available for comparison.

3. Comparison with H. O. Chart 1004 (Corrected to February 1941) British Admiralty Chart 918

Shoreline in this vicinity is still substantially as charted from British surveys of 1848 and 1863.

4. Condition of Survey

Satisfactory.

5. Compliance with Project Instructions

Excellent.

6. Additional Field Work Recommended

None.
Examine and approved:

Chief, Survey Section

Chief, Division of Charts

Chief, Section of Hydrography

Chief, Division of Coastal Surveys