

6784  
RESTRICTED

Photostatic Copy, original sent to Navy Dep't. NOV 3 - 1941

Form 504 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, Director	
DESCRIPTIVE REPORT	
Topographic <del>Hydrographic</del>	Sheet No. C
State British West Indies	
LOCALITY	
Antigua Island	
Parham Sound	
19341	
CHIEF OF PARTY	
H. Arnold Karo	

U. S. GOVERNMENT PRINTING OFFICE: 1934

6784  
RESTRICTED

6784

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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. C

REGISTER NO. **T6784** **RESTRICTED**

State British West Indies

General locality Antigua Island

Locality Parham Sound

Scale 1:4800 Date of survey January, 1941

Vessel U.S.C. & G.S.S. LYFONIA

Chief of party H. Arnold Kars

Surveyed by G. A. George; Fair J. Bryant

Inked by Fair J. Bryant

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

## DESCRIPTIVE REPORT

## Topographic Sheet "C"

Parham Sound            Antigua Island

British West Indies

## INSTRUCTIONS:

The topography on this sheet was accomplished in connection with the hydrography executed in accordance with instructions dated November 9, 1940. ✓

## SCOPE:

The survey on this sheet includes the shoreline of the western half of Long Island, Maiden Island, and location of signals along the west side of Parham Sound from High Point to Fort Byham. ✓

## CONTROL:

Control was provided by third-order triangulation established pursuant to instructions mentioned above. Triangulation stations within the limits of the sheet are as follows: ✓

Ami 1940  
Cupola 1940  
Den 1940  
Fort Byham East Base 1940  
Fort Byham West Base 1940  
Henzell 1940  
High Point 1940  
Long 1940  
Maid 1940  
Ned 1940  
Old Lime Kiln 1940  
West 1940

## METHODS:

The work on this sheet was accomplished in accordance with standard topographic practice. Signals were located by three intersecting cuts from triangulation stations or three-point fix positions except for signals Ali ✓

and Gun to which only two cuts could be obtained. Signals Ice, Hog, and Gun, on the west side of Parham Sound, fell outside the limits of the sheet. The cuts to these signals were transferred to the boat and smooth sheets and the intersections made there-on.

A traverse was run from triangulation station Long to triangulation station West. The closure of this traverse was 0.5 meter and no adjustment was attempted. The remainder of the shoreline was rodded in from three-point fix positions. Most setups were made in the water on account of limited visibility along the beach.

#### GENERAL DESCRIPTION:

The major part of the shoreline consists of weathered coral rock, broken in places by stretches of sand or gravel beach. In a few spots mangrove forms the outer and visible limit of the shoreline. Except for inaccessible areas of limited extent the high water line back of the mangrove was also delineated.

Vegetation is of the broad leaved type and is dense though not impenetrable. The beach is seldom more than 2 to 3 meters in width and vegetation frequently overhangs the water.

#### LANDMARKS:

Cupola of Henzell's house on Long Island (Cupola 1940)

#### LIST OF TOPOGRAPHIC SIGNALS:

Name	Description	Name	Description
Ali	Banner	Dark	Rag on bush
Ash	Whitewash	Ed	Tripod
Be	Banner	Fair	Banner
Bud	"	Fly	"
Cat	"	Gun	"
Chow	Rag on bush	Hog	"
Dog	Banner	Ice	"

## GEOGRAPHIC NAMES:

Name	Authority
Parham Sound	Admiralty Chart 2066
Long Island	do.
Pasture Point	Local Usage
Pond Bay	do.
Jumby Bay	Admiralty Chart 2066
Loblolly Bay	Local Usage
Sandy Spit	do.
Maiden Island	John Luffman Map of 1787-88
The Cove	Local Usage
Cistern Point	do.
North Sound	Admiralty Chart 2066

## STATISTICS:

Length of Shoreline in Statute Miles----- 2.9

Area in Square Statute Miles----- 0.23

Length of Roads, Railroads, etc.----- 0

Respectfully submitted,



Fair J. Bryant,  
Aid, C. & G. S.

Approved and forwarded:



H. Arnold Karo,  
Commanding Officer,  
Ship LYDONIA.



DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY NO. 6784 (1941) FIELD NO. C

British West Indies; Antigua Island; Park<sup>h</sup>am Sound  
Surveyed January 1941, Scale 1:4,800  
Instructions dated November 9, 1940 (LYDONIA)

Plane Table Survey

Aluminum Mounted

Chief of Party - H. A. Karo  
Surveyed by - C. A. George; F. J. Bryant  
Inked by - F. J. Bryant  
Reviewed by - J. A. McCormick  
Inspected by - H. R. Edmonston, September 30, 1941

1. Adjoining Surveys

A satisfactory junction was effected with T-6785 (1941) on the east. There are no shoreline junctions with any of the other 1941 surveys.

2. Previous Surveys

British surveys of the area are not available for comparison.

3. Comparison with H.O. Chart 1004 (Correction<sup>ed</sup> to Feb. 1941)  
British Admiralty Chart 918

Comparison with these charts, compiled from British surveys of 1848-63, indicates little change in shoreline of the area.

4. Condition of Survey

Satisfactory.

5. Compliance with Project Instructions

Excellent.

6. Additional Field Work Recommended

None.



Examined and approved:

Chief, Surveys Section

Chief, Division of Charts

Chief, Division of Hydrography

Chief, Division of Coastal  
Surveys