

6785

RESTRICTED

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RESTRICTED

Form 501 Rev. Dec. 1933	
DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. D
State British West Indies	
LOCALITY	
Antigua Island	
North Sound	
1941	
CHIEF OF PARTY	
H. Arnold Karo	

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. D

REGISTER NO. **T6785 RESTRICTED**

State British West Indies

General locality Antigua Island

Locality North Sound

Scale 1:4800 Date of survey January, 1941

Vessel U.S.C. & G.S.S. LYDONIA

Chief of party H. Arnold Karo

Surveyed by F. A. Riddell; Fair J. Bryant

Inked by F. A. Riddell; 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 HT 259

DESCRIPTIVE REPORT
Topographic Sheet "D" ^{T. 6785}

North Sound Antigua Island
British West Indies

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

SCOPE:

The topography accomplished includes location of signals and the shoreline along the eastern half of Long Island and the small islands in the northern and eastern part of North Sound.

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:

Bird 1940
East 1940
Egg 1940
Great 1940
Henzell 1940
Little 1940
Long 1940

METHODS:

The work on this sheet was done in accordance with standard topographic practice. Signals were located by three intersecting cuts from triangulation stations or three-point fix positions. Signal Reef fell outside the limits of the sheet. The cuts to this signal were transferred to the boat and smooth sheets and the intersection made there-on. ^{of H-6630 (1941)}

The shoreline of the south and east sides of Long Island and of the small islands to the east was rodded in from three-point fix

positions, most of the setups being in the water on account of limited visibility along the beach. A traverse was run along the north side of Long Island from a three-point fix position 100 meters northeast of signal Hat to triangulation station Long. This traverse had a closure of 1.5 meters and was field adjusted. ✓

GENERAL DESCRIPTION:

The major part of the shoreline along the eastern half of Long Island is bare coral rock with some stretches of sandy or pebbly beach. The vegetation, which is of the broad leaved variety, is dense though not impenetrable and extends within 1 to 3 meters of the high water line. The small islands shown on this sheet, with the exception of Little Bird Island, are of bare coral, hardly more than reefs. Little Bird Island is covered with a growth of brush and cacti. ✓

There are numerous coral reefs off the north and east shores of Long Island and between Long Island and Little Bird Island. The reef lines, where shown by a dashed line, were sketched in. There are many other offlying reefs which are not indicated. Dashed pencil lines removed. Too uncertain and outside hydrographic limits.

LANDMARKS:

There are no objects suitable for landmarks within the area covered by this sheet. ✓

TOPOGRAPHIC SIGNALS:

The following topographic signals were located:

Name	Description	Name	Description
Boot	Banner	Hat	Banner
Cute	"	Joy	"
Elk	"	Peg	"
Foe	"	Wash	Whitewash

GEOGRAPHIC NAMES:

Name	Authority
North Sound	Admiralty Chart 2066
Long Island	do.
Cistern Point	Local usage
Buckley Bay	do.
Flinty Bay	do.
Pasture Bay	do.
Pasture Point	do.
Moor Island	Admiralty Chart 2066
Samphire Rock	do.
Little Bird Island	do.
North Whelk	do.
South Whelk	do.
Whelk Rock	do.
Bird Island Channel	do.

STATISTICS:


Length of Shoreline in Statute Miles..... 2.8
 Area in Square Statute Miles..... 0.35
 Length of Roads, Railroads, etc..... 0

Respectfully submitted,



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

Approved and forwarded:



H. Arnold Kero,
 Commanding Officer,
 Ship LYDONIA.

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY

REGISTER NO. 6785 (1941)

FIELD NO. D

British West Indies; Antigua Island; North 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 and inked by - F.A.Riddell; F.J.Bryant
Reviewed by - J. A. McCormick
Inspected by - H. R. Edmonston, September 30, 1941

1. Adjoining Surveys

The junction with T-6784 (1941) on the west is satisfactory. There are no shoreline junctions with other surveys of the 1941 project. T-6786 (1941) adjoins on the southeast.

2. Previous Surveys

British surveys of the area are not available for comparison.

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

The charts, compiled as they were from British surveys of 1848-63, give a fairly good representation of the area as it was at the time of the present survey.

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