

6782
RESTRICTED

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Form 504 Rev. Dec. 1933 DEPARTMENT OF COMMERCE U.S. COAST AND GEODETIC SURVEY R. S. PATTON, DIRECTOR	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. A
State	British West Indies
LOCALITY	
Antigua-Island	
Crabbs Peninsula	
1940	
CHIEF OF PARTY	
H. Arnold Karo	

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

CRCMML

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. A¹

REGISTER NO. **T6782** **RESTRICTED**

State BRITISH WEST INDIES

General locality ANTIGUA ISLAND

Locality CRABB^S PENINSULA

Scale 1:4800 Date of survey December, 1940

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

Chief of party H. ARNOLD KARO

Surveyed by K. S. ULM

Inked by K. S. ULM

Heights in feet above M.H.W. to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval 5 feet

Instructions dated November 9, 1940

Remarks: SPECIAL SURVEYS - PROJECT HT - 259

DESCRIPTIVE REPORT

To Accompany

T-6782

TOPOGRAPHIC SHEET A'

CRABB'S PENINSULA, ANTIGUA ID.

B.W.I.

Project HT - 259

Ship LYDONIA H. Arnold Karo Commanding

AUTHORITY.

The work on this sheet was accomplished in accordance with instructions dated November 9th, 1940, Project HT - 259. ✓

GENERAL NATURE OF THE WORK.

T-6781 This sheet in reality is a supplement of Topographic Sheet A. In order to expedite the work, roads, all bench marks with the exception of 62 and 68 to 82 inclusive, and contouring from Lat. See 17° 05' 35" north to about Lat. 17° 06' 28" were located on this Rev. sheet. All hydrographic signals and shore line detail was accomplished on Topographic Sheet A. T-6781

CONTROL.

Horizontal control was furnished by third order triangulation established by this party in 1940. ✓

Vertical control was furnished by loops of spirit levels run from the tide staff located at the dock in Parham. Bench marks consisted of two by four stakes protruding about two feet above the ground. ✓ Elevations were taken to nails driven in the top of the stakes.

SURVEY METHODS.

The standard survey practices as outlined in the topographic manual was followed throughout the sheet. All traverses run were well within the allowable error and were field adjusted. All elevations were obtained by stakes and vertical angles. The H. I. was obtained from bench marks. These bench marks are numbered in black and have the elevation of the tops in red figures in parenthesis on the sheets. Some difficulty was encountered in getting sufficient elevation to control the contour in the cane fields and in the thickly ✓

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brushed over areas, as the rod men had difficulty finding their way in the cane fields and it was impossible for them to hear directions from the set-ups. At the time of the survey the cane was from seven to ten feet tall. ✓

GENERAL DESCRIPTION.

A good description of Crabb Peninsula will be found in the descriptive report for Topographic Sheet A. ^{T-6781} Most of the area contoured on this sheet was under cultivation, the main crops being cotton and sugar cane with small patches of corn and yams. No attempt was made to run field lines. However where no extra time was involved the fields were sketched in and are shown on the sheet with their proper symbols. In some of the area shown as cane there are small patches of corn, cotton and yams. However these patches are so small that they would not have any bearing on the production of the area. ✓

Brush and trees which range from ten to twenty feet are shown on the sheet by the woodland symbol. Intermittent trees and stumps are found in the cultivated fields. ✓

The roads shown on the sheet north-east of latitude 17° 05.13' are dirt roads about five or six meters wide. These roads are more or less wagon trails and on the north end of the peninsula are overgrown in several places with light brush. While the survey was in progress minor repairs were being made to soft spots in the road. ✓

TRIANGULATION STATIONS.

The following triangulation stations were the only ones available when the work was done on this sheet.

CRAB - 1940 NORTH - 1940 POINT - 1940 ✓
MID - 1940 PARHAM - 1940 RAT - 1940
UMBRELLA - 1940

GEOGRAPHIC NAMES.

T-6781

See topographic Sheet A and its descriptive report.

Respectfully submitted,

Kenneth S. Ulm
Kenneth S. Ulm
Lieut. (j.g.) C&GS.

Approved and forwarded.

H. Arnold Karo
H. Arnold Karo, Lieutenant C&GS
Commanding Ship LYDONIA.

STATISTICS

To Accompany Topographic Sheet A'

Area contoured = 0.35 square statute miles

Miles of road = 4.6 statute miles

ELEVATIONS OF BENCH MARKS

CRABBS PENINSULA

ANTIGUA ISLAND

B.W.I.

<u>STATION</u>	<u>ELEVATION</u>	<u>STATION</u>	<u>ELEVATION</u>	<u>STATION</u>	<u>ELEVATION</u>
1	13.462	35	13.840	69	18.746
2	12.631	36	17.452	70	9.299
3	9.173	37	22.593	71	6.385
4	6.390	38	18.641	72	16.439
5	11.086	39	17.083	73	17.503
6	15.630	40	17.875	74	27.648
7	13.374	41	26.131	75	39.680
8	12.316	42	22.031	76	30.477
9	14.398	43	15.025	77	20.155
10	20.350	44	10.358	78	10.861
11	26.947	45	7.759	79	3.062
12	29.016	46	9.628	80	6.632
13	32.256	47	7.832	81	13.019
14	33.641	48	11.733	82	16.559
15	31.056	49	20.680	83	14.392
16	33.560	50	15.545	84	18.752
17	33.129	51	3.655	85	23.705
18	24.454	52	10.917	86	29.986
19	18.029	53	9.889	87	26.179
20	11.922	54	15.154	88	18.741
21	7.356	55	24.399	89	31.811
22	6.505	56	42.476	90	24.288
23	9.812	57	42.752	91	17.166
24	9.846	58	51.334	92	11.857
25	8.090	59	21.493	93	14.736
26	10.803	60	9.297	94	16.698
27	8.756	61	9.212	95	19.377
28	12.124	62	6.917	96	19.752
29	16.012	63	19.163	97	11.382
30	6.925	64	27.120	98	1.692
31	11.917	65	15.561	99	7.426
32	14.613	66	10.307	100	16.739
33	15.437	67	XXXXX	101	6.739
34	10.911	68	30.257	102	6.009

DIVISION OF CHARTS

SURVEYS SECTION

REVIEW OF TOPOGRAPHIC SURVEY NO. 6782 (1940) FIELD NO. A'

British West Indies; Antigua Island; Crabbs Peninsula

Surveyed December 1940, 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 - K. S. Ulm

Reviewed by - J. A. McCormick

Inspected by - H. R. Edmonston, September 30, 1941

All detail on this survey, with the exception of a small amount of dirt road at the south end of the sheet, has been transferred to T-6781 (1941) and has been adequately considered in the review of that survey.

Examined and Approved:

Chief, Surveys Section

Chief, Division of Charts

Chief, Division of Hydrography

Chief, Division of Coastal
Surveys