

3800

Form 504

DEPARTMENT OF COMMERCE, U. S. COAST AND GEODETIC SURVEY

SURVEY.

L. & A.

Oct 1 1920

State: *Virgin Islands* SAGG. No.

11-5613

DESCRIPTIVE REPORT.

Topo. Sheet No. *3800*

LOCALITY:

St Croix Island

East Middle Section

1919

CHIEF OF PARTY:

O. W. Swainson

DESCRIPTIVE REPORT TO ACCOMPANY
TOPOGRAPHIC SHEET K
ST. CROIX, VIRGIN ISLANDS.

This sheet was originally laid out to cover the eastern end of the island of St. Croix beginning with a line running across the island one quarter of a mile east of Fort Louisa Augusta Light House. Work was started on the western end of the sheet but owing to orders to discontinue the survey of the island it was stopped along the summit of the ridge running past the East End School House to triangulation station Seven and thence south to Station Fancy.

Time of Survey.

The topographic party did the field work in about five weeks, four in November, 1919, and one in March, 1920.

Scale.

The scale of the sheet like that of all of the others comprising the survey of the Virgin Islands is one to ten thousand. Twenty foot contours referred to mean sea level were used.

Control.

Control was furnished by the locating of numerous flags, signals, and natural objects by triangulation. Additional control was secured by cutting in with the plane table flags erected on all hills. The elevation of all of these objects was determined, the triangulation stations by vertical angles with the theodolite and the topographic flags by the plane table.

In this way every set-up was accurately controlled not only in position but in elevation. Practically all traversing was avoided.

Methods of Survey.

No unusual methods of topographing mapping were used. One member of the party was detailed as recorder to compute elevations and corrections for inclined sights as the topographer read off the angles, distances, etc. This saved considerable time as the topographer secured on an average over one hundred elevations a day. The recorder was also sent to sketch in houses and other estate improvements.

Accuracy.

It was endeavored to make an accurate and detailed topographic map showing the vegetation, fences, houses, estate boundaries, and roads. It is the opinion of the topographer that this aim was realized to a great extent.

Topographic Features.

The character of the vegetation is shown on a separate tracing along with the estate boundaries. This is to avoid confusion on the topographic sheet.

The estate boundaries were roughly checked with the official records. The names of the estates were taken from the official records. The new names for the points and bays were obtained locally from the inhabitants.

Roads.

The roads shown on this sheet although rated second class are as good as any on the island. The public roads, that is the roads built and kept in repair by the local government, are shown in full lines. These built and kept in repair by the private estates are shown with dotted lines. They were located just as accurately, however, as the public roads.

Dangers and Aids to Navigation.

Such care was taken in the field work and the inking off the sheet that all dangers and aids to navigation are clearly shown and it is therefore not necessary to mention them here.

Natural Resources.

A considerable portion of the land of this part of the island was many years ago under cane cultivation. However, it is now converted into cattle grazing land.

A few hogs are raised at Boutzberg Estate. This seem to be a growing and prosperous industry.

There is one small field of cotton.

Another source of revenue for the natives on this part of the island is charcoal. The second growth timber makes excellent charcoal. None is exported from the island, however.

Weather.

Good weather was encountered during the entire period of the work on this sheet.

A list of plane table positions and a list of new geographic names accompanies this report.

O. W. Swainson
Chief of Party.

O. W. Swainson
Topographer.

NEW GEOGRAPHIC NAMES
TOPOGRAPHIC SHEET K
ST. CROIX, VIRGIN ISLANDS.

- | | |
|------------------------|---|
| 1. SHOYS WASHER POINT. | In local use. |
| 2. SHOYS POINT. | " |
| 3. FAIRHAM POINT. | On Fairham Estate. No known local name. |

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Methods of Survey.

No unusual methods of topographing mapping were used. One member of the party was detailed as recorder to compute elevations and corrections for inclined sights as the topographer read off the angles, distances, etc. This saved considerable time as the topographer secured on an average over one hundred elevations a day. The recorder was also sent to sketch in houses and other estate improvements.

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The topographic party did the field work in about five weeks, four in November, 1910, and one in March, 1911.

Scale.

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List of Plane Table positions Sheet K.

~~Crest~~
 wire ✓
 Great ✓
 Hut ✓
 Cupe ✓
 Pole ✓
 Bout ✓
 Goon ✓
 Wash ✓
 Shays ✓
 Hog ✓
 Cay ✓
 Ded ✓
 Fish ✓
 Wet ✓
 Eyes ✓

Mr. A. L. S.

Please place the position of
 these stations and make up
 the list to go with my
 report for the sheet.

[Signature]

all mills (wind and stone) (Just say "Steel
~~the~~ wind mill" and give its E.M. and D.P. It is
 not necessary to give names to the mills.)
 Flags (Just say "Flag". "not recoverable" and give
 its E.M. and D.P.)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. ~~3799~~ 3800

State *Virgin Islands*
General locality . *St. Croix*
Locality . . *East middle section*
Chief of party . . *O. W. Swainson*
Surveyed by . . . *O. W. Swainson*
Date of survey . *November 1 - December 31 - 1919*
Scale *1:10,000*
Heights in feet above . *mean sea level*
Contour interval . *20* feet.
Inked by *A. L. Shalowitz*
O. W. Swainson Lettered by *A. L. Shalowitz*
Records accompanying sheet (check those forwarded): Photographs,
✓ Descriptive report, Horizontal angle books, Field computations,
Data from other sources affecting sheet

Remarks: