

3838

U. S. SURVEY  
L. & A.

OCT 3 - 1927

NO. 504

Form 504

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

State: *Virgin Islands*

11-5513

DESCRIPTIVE REPORT.

*Topog* Sheet No. **3838**

LOCALITY:

*St Croix Island -  
Middle Western Part*

19*27*

CHIEF OF PARTY:

*E. R. Hand*



## DESCRIPTIVE REPORT

to accompany topog. sheet "I" St. Croix, V.I. 1921 Eoline R. Hand,  
Chief of Party

This survey was made in pursuance of Instructions dated Oct. 23, 1920 (7HCC). Because of orders detaching me from the Office this sheet is turned in with the inking incompleting; to comply with anticipated new orders the office work was done hastily, but accurately. No time was taken to make a fancy drawing. It is believed that all the acquired information is now inked or pencilled upon the sheet. However it must be noted that the contours are NOT ready for inking as they stand. Urged while in the field to make haste with the progress of the work these lines were swiftly and crudely drawn: while embracing the correct values they were regarded for the most part as notes, to be interpreted by me when inking the sheet at Washington, as I understood I was to be permitted to do. They can only be interpreted by a skilled field man, having knowledge of local conditions and forms and with a keen perception of topographic values. I recommend that Mr. A.L. Shalowitz be given this sheet to complete. If any other attempts it the result will be only a generalized depiction of the terrain, and I must disclaim responsibility for the wide departure from the rigid requirements of my orders that would result.

2. There is but little I can add in the way of information to that shown so copiously upon the sheet: it seems to me self-explanatory. Sugar cane is the chief crop: but some cotton is grown, and the ratio to sugar may be judged by the relative frequency of the two symbols. Bethlehem mill is the only one grinding at present. The cane is brought to cane markets at various strategic points, weighted, and piled on motor trucks for transport to the factory. The railroad shown is for same purpose. For drinking water rain is caught in tanks: the many wells shown furnish only brackish, for stock. The east and west road that passes in front of the King's Hill police Station and Poor Farm is called the Centre Line Road. It is the main way between Christiansted and Frederiksted. Two roads cross the range of hills, north and south: also one trail. The west one, through River Estate is good for autos: but reliable brakes are a desideratum. The Caanan one is traversable by carts only, though a Ford is said to have negotiated it successfully. All the solid line roads, with this single exception, are excellent for machines. It is of value to know that the trail over the hills north from Windsor is connected at the pass with another that runs west along the ridge to the above-mentioned Caanan Road. The very narrow private roads that run as straight lines into fields are known as "cane ranges". They offer a means of getting about, but are practicable usually only for carts. No attempt was made to indicate all of them.

3. The theory of the land division will be a helpful thing to know. The early Danes accomplished the mathematical anomaly of dividing the entire island into nine quarters. Four of them comprise the area of this sheet. The quarter lines (shown by heavy dashes) were first carefully run, and the various estates measured from and between them. The original idea was that each estate should be a rectangle of 2000 by 3000 Danish feet, but some estates now are made up of whole or parts of other figures. On a key tracing submitted the estate name is spread over all the area embraced by it. The light dashes show estate boundaries, but sometimes roads are boundaries. It is hoped the Office will pencil the estate names over the appropriate territory; also the quarter names.

*Eoline R. Hand*  
Topographer.

## LIST OF POSITIONS

3838

CRH

to accompany topographic sheet "I", St. Croix, 1921.

Eoline R. Hand,  
Chief of Party.

NAME	LAT	D.M.	LONG	D.P.	HEI.	DESCRIPTION
Wind	17° 46'		84° 45'			steel wind-mill on shore west Salt River
Ray	47		46		112	Plate in cement post upper side rd. in bight 1250 m. east R. op T. Mill
Joe	47		46		95	Plate lowside rd. in wall: at top rise west end Baron's Bluff
Salt	45		46		860	Top sharp hill above Barons Bluff. S.E. side grassy
Blue Mt *	45		47		1090	Just S.E. of Mt. Eagle and next lower
Red *	42		45		135	Red roof on hill at Blessing estate above Krause Lag
Dan	42		45		2	Plate in block at sand pt. east side Krause Lagoon
Riv	41		47		2	Plate in block at point west river mouth
Mannings Bay *	42		47		75	Old mill tower on rise west grass area half mi west of river and above steel fanmill in grove.
Tom	41		48		4	Plate in cliff that begins a mile west of river mouth
Green *	42		48		gr35	Greenish house on Envy estate: above meadow and just west of Manning's Bay mills and mile west of river.

ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 9-1111

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

November 30, 1921.

Memorandum to accompany Topographic Sheet No. 3838.

The contours on this sheet are completely inked except for a small stretch in the vicinity of Barons Bluff along the north shore. A generalized delineation could be made, but for more accurate form and location should be referred to the topographer.

Extreme care was exercised in the penciling and inking of this sheet, every land form having been studied carefully. This, together with the previously acquired knowledge of the terrain by the inker, has, it is hoped, given to the sheet a true interpretation. The pencil contours which were very much in the rough were not considered as rigid nor binding but rather as guide lines. (see Descriptive Report for sheet) Departures were made where necessary to conform to fixed topographic principles.

The sheet has been adjusted to conform to the two adjoining sheets.

*Aaron L. Shalwitz*

ADDRESS THE DIRECTOR  
U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. 4-MEM

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

SECTION OF FIELD RECORDS.

REPORT ON TOPOGRAPHIC SHEET No. 3838.

Surveyed in 1921.

Chief of Party: E. R. Hand.

Surveyed by E. R. Hand.

Inked by E. R. Hand and A. L. Shalowitz.

1. The records conform to the requirements of the General Instructions.
2. The plan and character of the survey fulfill the requirements of the General Instructions.
3. The character and extent of the survey satisfy the specific instructions.
4. About 70% of the field drafting prescribed by the General Instructions was done by the surveyor.
5. The junctions with adjoining sheets are satisfactory.
6. No further surveying is required within the limits of the sheet.
7. The character of the surveying and field drafting is excellent.
8. Reviewed by E. P. Ellis, December, 1921.

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. 3838 sheet "I"

State . . . . Virgin Islands, . . . . .

General locality . St. Croix . . . . .

Locality ~~central part, sea to sea~~ MIDDLE WESTERN PART . . . . .

Chief of party . . . Eoline R. Hand. . . . .

Surveyed by . . . . " " " . . . . .

Date of survey . . February - April, 1921. . . . .

Scale . . 1 : 10000. . . . .

Heights in feet above M.H.W. . . . .

Contour interval . 20 . feet.

Inked by Eoline R. Hand \* Lettered by . . . . .

Records accompanying sheet (check those forwarded); Photographs,

Descriptive report, Horizontal angle books, Field computations,

~~Data from other sources affecting sheet~~ . . . . .

List of Positions (d.m. and d.p. values not computed by me)

Remarks: \* Account of orders to field duty this sheet turned in UN-FINISHED. See my descriptive report.

A list of Landmarks for Charts was submitted at time this sheet was in hands of Chart Division preparatory to tracing off information for new chart. Objects consisted of the old mill towers along both north and south coasts (truncated pones of stone about thirty feet)

*Eoline R. Hand*