

T-12947

T-12947

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline
Job No. PH-6504 Map No. T-12947
Classification No. Final Edition No. 1
Field Edited Map

LOCALITY

State Virgin Islands
General Locality St. John
Mennebeck Bay to
Locality Flanagan Island

19 71 TO 19 76

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY

- ☒ ORIGINAL
☐ RESURVEY
☐ REVISED

SURVEY ~~TR~~ T-12947

MAP EDITION NO. (1)

MAP CLASS Final (F.E.)

JOB PH- 6504

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division (Rockville)
Coastal Mapping Division (Norfolk)

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH- _____

MAP CLASS _____

SURVEY DATES:

19 ____ TO 19 ____

OFFICER-IN-CHARGE

Wesley V. Hull (Rockville)
Jeffrey G. Carlen (Norfolk)

I. INSTRUCTIONS DATED

1. OFFICE

Dec. 14, 1971 Aerotriangulation
 Jan. 25, 1972 Compilation
~~Nov. 15, 1972 Compilation~~
~~Supp. I.~~

2. FIELD

Oct. 18, 1971
 Nov. 15, 1972 - Supplement I

II. DATUMS

1. HORIZONTAL:

☐ 1927 NORTH AMERICAN

OTHER (Specify)

Puerto Rico

2. VERTICAL:

- ☒ MEAN HIGH-WATER
☐ MEAN LOW-WATER
☐ MEAN LOWER LOW-WATER
☐ MEAN SEA LEVEL

OTHER (Specify)

3. MAP PROJECTION

Polyconic

4. GRID(S)

STATE

Puerto Rico

ZONE Virgin Islands
Extension

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. Norman - J. Shad	Aug. 1972
METHOD: Analytical	LANDMARKS AND AIDS BY	NA	
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	July 1972
METHOD: Coridamat	CHECKED BY	D. Phillips	July 1972
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	J. Richter	Nov. 1972
COMPILATION	CHECKED BY	C. Lewis	Nov. 1972
INSTRUMENT: B-8	CONTOURS BY	Inapplicable	
SCALE: 1:15,000	CHECKED BY	Inapplicable	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	C. Lewis	Nov. 1972
Inked	CHECKED BY	J. Richter	Nov. 1972
	CONTOURS BY	Inapplicable	
METHOD: Graphic Worksheets	CHECKED BY	Inapplicable	
	HYDRO SUPPORT DATA BY	C. Lewis	Nov. 1972
SCALE: 1:10,000	CHECKED BY	J. Richter	Nov. 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Richter	Nov. 1972
	BY	R. White	May, 1976
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	C. Bishop	May, 1976
	BY	C. Bishop	May, 1976
7. COMPILATION SECTION REVIEW	BY	C. Bishop	May, 1976
8. FINAL REVIEW	BY	C. Bishop	Nov. 1976
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	C. H. Bishop	Jan. 1977
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	E. L. Rolle	March 1977
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. J. CATDE	MAY 1977

NOAA FORM 76-36A

SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36B
(3-72)T-12947
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES				Atlantic	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				60th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C)1044	20 NOV 71	9:52	1:20,000	0.0 ft. above MLW	
71L(C)1052, 1053, 1054, 1055	20 NOV 71	9:57	1:20,000	0.0 ft. above MLW	

REMARKS

Photographs ratioed to 1:10,000 scale

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation of color photographs of 1971
listed above.

3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

Not compiled

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH No Contem- porary Survey	EAST No Contem- porary Survey	SOUTH No Contem- porary Survey	WEST T-12946
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REMARKS

T-12947

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J.K. Wilson	Oct. 1971
2. HORIZONTAL CONTROL	RECOVERED BY R.S. Tibbetts	Oct. 1971
	ESTABLISHED BY NA	
	PRE-MARKED BY R.S. Tibbetts	Oct. 1971
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY NA	
	LOCATED (Field Methods) BY NA	
	IDENTIFIED BY NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1 Form 152 Control Station Identification

2 Form 266 Observation of Sun for Azimuth and Time

1 Form Hewlett Packard Observation

86 4.

T-12947
HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	CDR. Trauschke	4/1976
2. HORIZONTAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	
3. VERTICAL CONTROL	RECOVERED BY NA ESTABLISHED BY NA PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY NA LOCATED (Field Methods) BY NA IDENTIFIED BY NA	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY CDR. Trauschke/LT Chelgren	4/1976
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
	None		
3. PHOTO NUMBERS (Clarification of details)			
None			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
None			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5. GEOGRAPHIC NAMES: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS			
None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
1 Discrepancy Print			

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Shoreline and Along-shore Features	Nov. 1972	Class III Superseded	Nov. 1972	Nov. 1972
Field edit applied Compilation complete	May, 1976	Class I Superseded	May. 1976	
Final Review	Nov. 1976	Final	March 1977	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

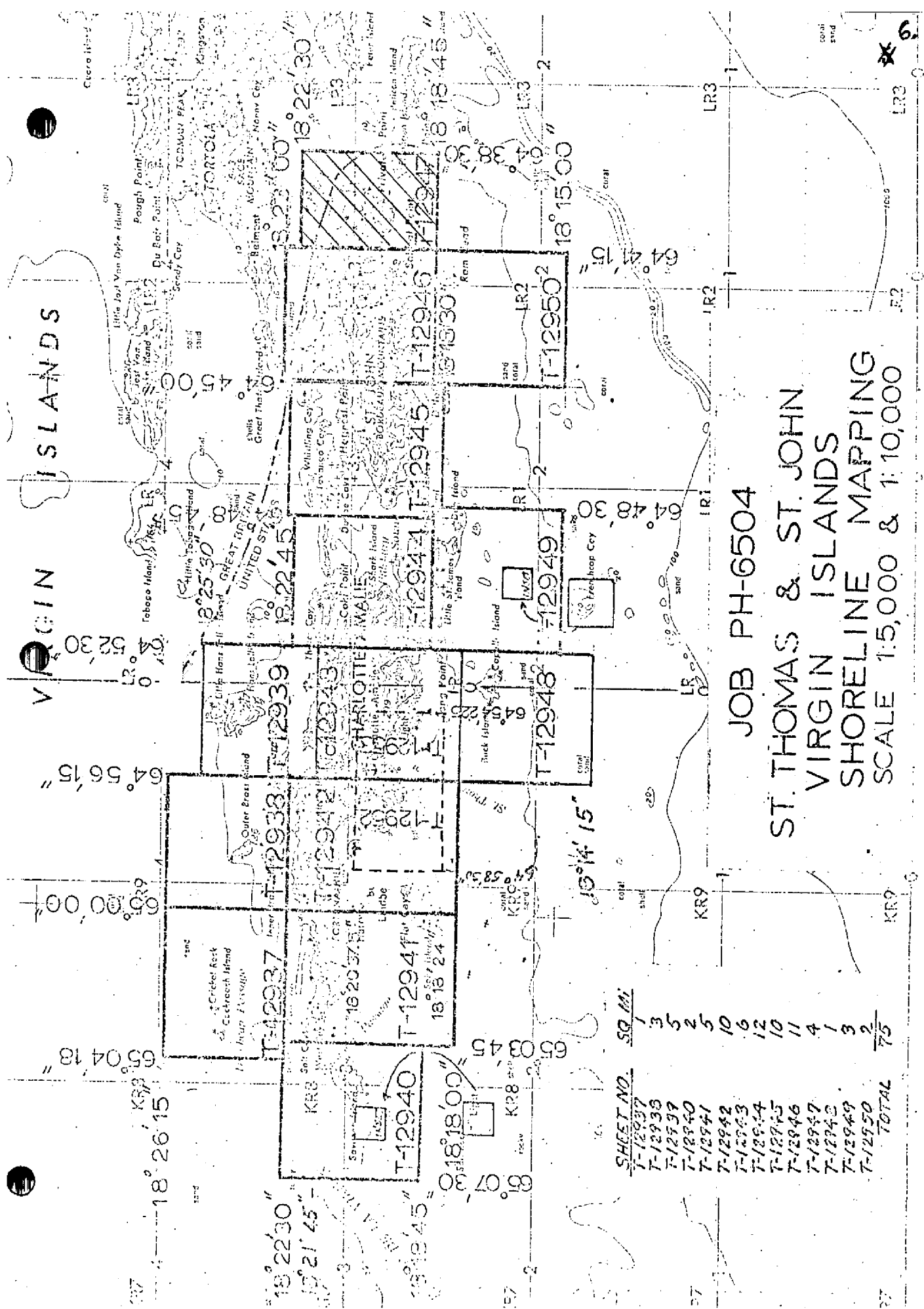
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	



SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORTS T-12937 THROUGH T-12950

Project PH-6504 is a shoreline mapping project which is the source of up-to-date shoreline for contemporary hydrographic surveys of the St. Thomas - St. Johns area of the U. S. Virgin Islands. Fourteen of the maps are at 1:10,000 scale and two are at 1:5,000 scale. T-12952 and T-12953 (St. Thomas Harbor, 1:5,000 scale) were compiled from 1965 photography and edited in 1966. They were final reviewed in 1967 and registered prior to compilation of the remaining maps.

This project is not to be confused with Job CM-7304, a photobathymetry project having the same scale and area limits as PH-6504. The maps were designated by the same numbers as PH-6504 maps, but as second editions (T-12937(2), etc.). As nothing but depths and curves (no shoreline) appear on the photobathymetry maps, they do not qualify as second editions or revisions. Job CM-7304 as a project was cancelled, the parenthesis 2 was removed from the map numbers, and the note "This map has the same area limit as" was added in the identification corners of the photobathymetry maps. Job CM-7304 was not registered; it was turned over to the Verification Branch, Atlantic Marine Center. See Instructions - OFFICE - Job Disposition, CM-7304, Photogrammetric Bathymetry, St. Thomas and St. John Islands, Virgin Islands, dated August 3, 1976.

Field work consisted of the recovery and premarking of horizontal control required for bridging. This was done in October and November, 1971. Additional control was established on Pelican Cay (T-12939) in December 1972.

Photography flown in 1971 was used for bridging and shoreline compilation of the 1:10,000 maps.

Bridging was done by analytic aerotriangulation in Rockville in December 1971. Control was adequate for all sheets except T-12939. After additional control was established on Pelican Cay in December, 1972, a 3-photo strip was bridged to adequately control the Hans Lollik Island section of this map.

Compilation was done on the Wild B-8 Plotter in Rockville from January 1972 to August 1974. T-12937 and T-12940 were compiled graphically. When photobathymetry was compiled, the model scale was more favorable for viewing the shoreline: Several minor corrections were made to the mean high water line and some rocks were added. Rock elevations shown in brackets are from photobathymetry.

Field edit was done in conjunction with hydrography, mostly by a photogrammetric unit, from March 1973 to August, 1975. T-12946 and T-12947 were edited by personnel of the Ship WHITING in April 1976. Four fixed aids to navigation and eleven day-beacons (private aids) were located by field methods.

Final Review was done at the Atlantic Marine Center from September 1976 to December 1976.

The original manuscripts were stabilene sheets and varied in size. They were forwarded to the Rockville Office for preparation of Registration Copies.

PHOTOGRAMMETRIC PLOT REPORT
Virgin Islands
Job PH-6504
August 1972

21. Area Covered

This report pertains to thirteen sheets in the Virgin Islands. The sheets are T-12937, T-12938 and T-12940 thru T-12950. The area covered consists of St. Thomas Island, St. John Island and some small islands surrounding the two islands previously mentioned.

22. Method

Ten strips of photography were bridged by analytic aerotriangulation methods and adjusted to the Puerto Rico state plane coordinate system. Strip 1 (71-M-969 thru 974) and Strip 6 (71-M-953 thru 957) were 1:60,000 scale panchromatic photography. Points were established on Strip 1 to control Strips 2 thru 4 and points were also established on Strip 6 to control Strips 7 thru 10. Points were established for determining ratios. Strip 5 was a two-model bridge adjusted to ground by two control points. Strip 10 was also a two-model bridge adjusted to ground by one control point and two points established from Strip 6. Points were plotted by the Coradi plotter. Sheet T-12937 was compiled graphically in the compilation area. Sheet T-12939 was not completed due to lack of photographic control. Sheet T-12949 is to be completed in the compilation area.

23. Adequacy of Control

The control for sheet T-12939 was not adequate for compilation; however, the control for the remaining sheets was adequate.

24. Supplemental Data

Vertical control was taken from USGS topographic quadrangles.

25. Photography

The photography was adequate.

Approved and Forwarded:

John D. Perrow, Jr.
John D. Perrow, Jr.
Acting Chief
Aerotriangulation Section

Respectfully submitted:

Don O. Norman
James E. Schad
Don O. Norman, Cartographer
James E. Schad, Cartographer

Fit to Control
(x, y) feet

▲ ■ held in adjustment

STRIP #1

▲ 1 No. 97 (cadastral survey) - sub sta (-0.8, +0.1)
 ▲ 2 FORT CHRISTIAN FLAGSTAFF, 1900 sub sta (+1.9, -0.2)
 ▲ 3 BLUFF, 1918 (-2.5, -0.6)
 ▲ 4 Panel on Savana Island (+1.4, -0.7)

STRIP #2

▲ 2 FORT CHRISTIAN FLAGSTAFF, 1900 sub sta (+0.4, +0.6)
 23801 (-4.6, -3.3)
 23802 (-3.7, -1.9)
 ■ 56801 (-1.5, -1.5)
 35801 (+0.3, +0.3)
 ■ 58801 (+1.9, +1.9)
 ▲ 3 BLUFF, 1918 (-0.8, -1.1)

STRIP #3

▲ 1 No. 97 (cadastral survey) sub sta (0.0, 0.0)
 41802 (+1.7, +0.9)
 ■ 21801 (0.0, 0.0)
 2 FORT CHRISTIAN FLAGSTAFF, 1900 sub sta (+3.5, +1.4)
 ■ 23801 (0.0, 0.0)
 23802 (+0.5, +2.5)

STRIP #4

■ 35801 (-0.2, 0.0)
 35802 (-5.7, +2.0)
 56801 (-3.8, -0.3)
 ■ 37801 (+0.5, +0.4)
 ■ 21801 (-0.5, -0.4)
 2 FORT CHRISTIAN FLAGSTAFF, 1900 sub sta (+1.5, +0.4)
 40801 (-3.5, +0.8)
 ▲ No. 97 (cadastral survey) sub sta (+0.2, +0.1)
 41801 (+0.9, -1.5)
 41802 (+2.2, -0.2)

STRIP #5

▲ 6 BUCK ECC RM, TARGET "A" ON BUCK ISLAND (0.0, 0.0)
 BUCK, 1918 (Lighthouse) (0.0, +0.2)
 ▲ 7 BUCK ECC RM, TARGET "B" ON CAPELLA ISLAND (0.0, 0.0)

STRIP #6

Δ 1 No. 97 (cadastral survey) - sub station (0.0 0.0)
 Δ 8 BAKE, 1918 sub station (0.0 0.0)
 Δ 9 MOORE, 1918 sub station (0.0 0.0)

STRIP #7

□ 30801 (0.0 +2.7)
 □ 33802 (+0.8 +1.0)
 □ 33801 (-1.7 +0.4)
 □ 36801 (-2.5 +0.9)
 36802 (-1.6 +2.2)
 Δ 9 MOORE, 1918 sub station (+2.3 -2.3)

STRIP #8

□ 79801 (-0.0 0.0)
 79802 (-2.5 -0.2)
 79803 (+2.3 0.0)
 □ 81801 (0.0 0.0)
 82801 (+2.1 -0.8)
 8 BAKE, 1918 sub station (+3.8 -1.7)
 84801 (-5.1 -1.7)
 □ 84802 (0.0 0.0)
 84803 (-1.6 -2.1)

STRIP #9

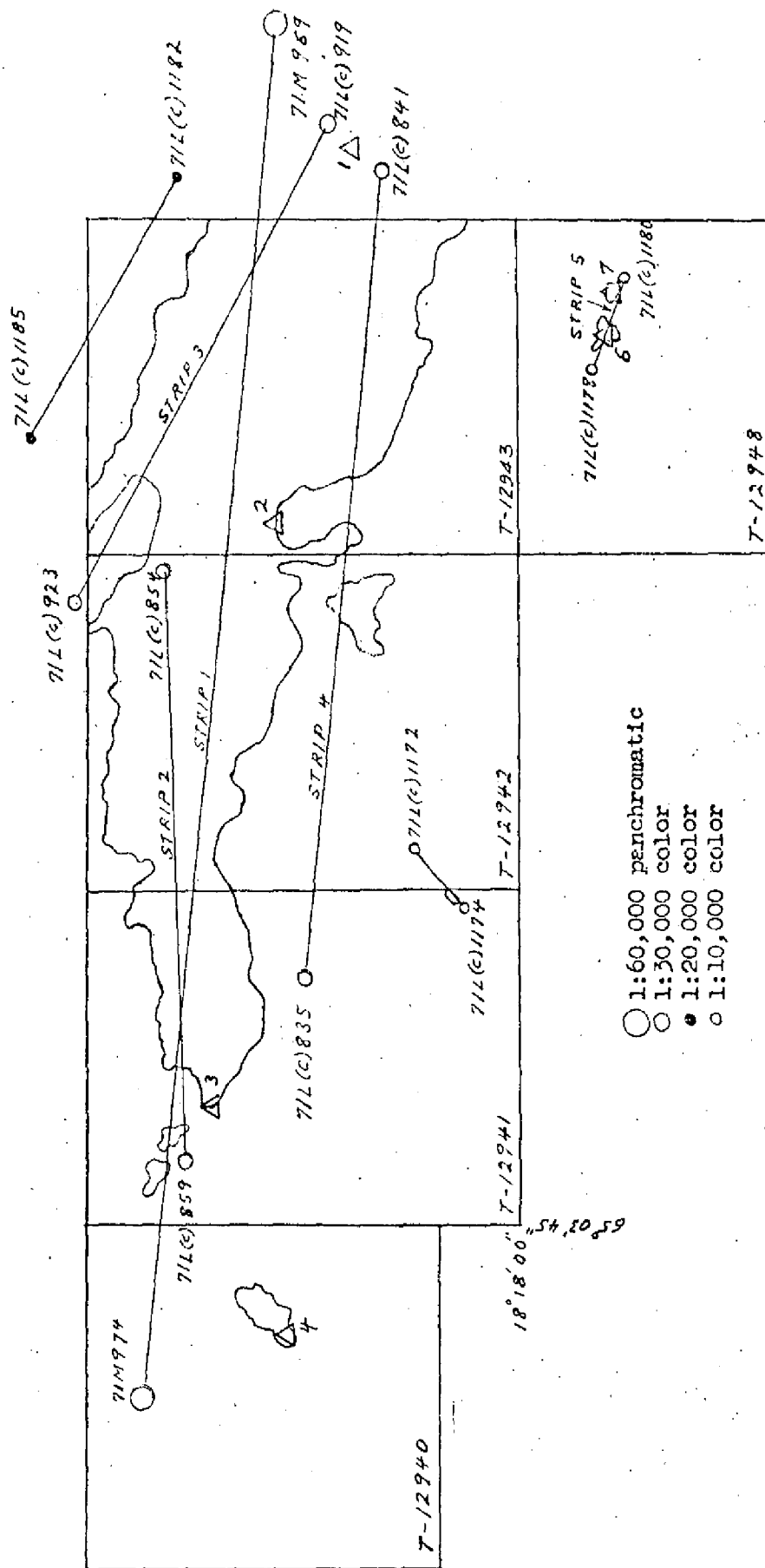
□ 6801 (0.0 0.0)
 6802 (+1.8 +0.4)
 7801 (-0.7 -0.1)
 27801 (-0.2 +2.3)
 9801 (-1.8 -0.9)
 Δ 1 No. 97 (cadastral survey) - sub station (0.0 0.0)
 10801 (-1.5 +0.9)
 10802 (+0.4 +0.3)
 □ 21801 (0.0 0.0)

STRIP #10

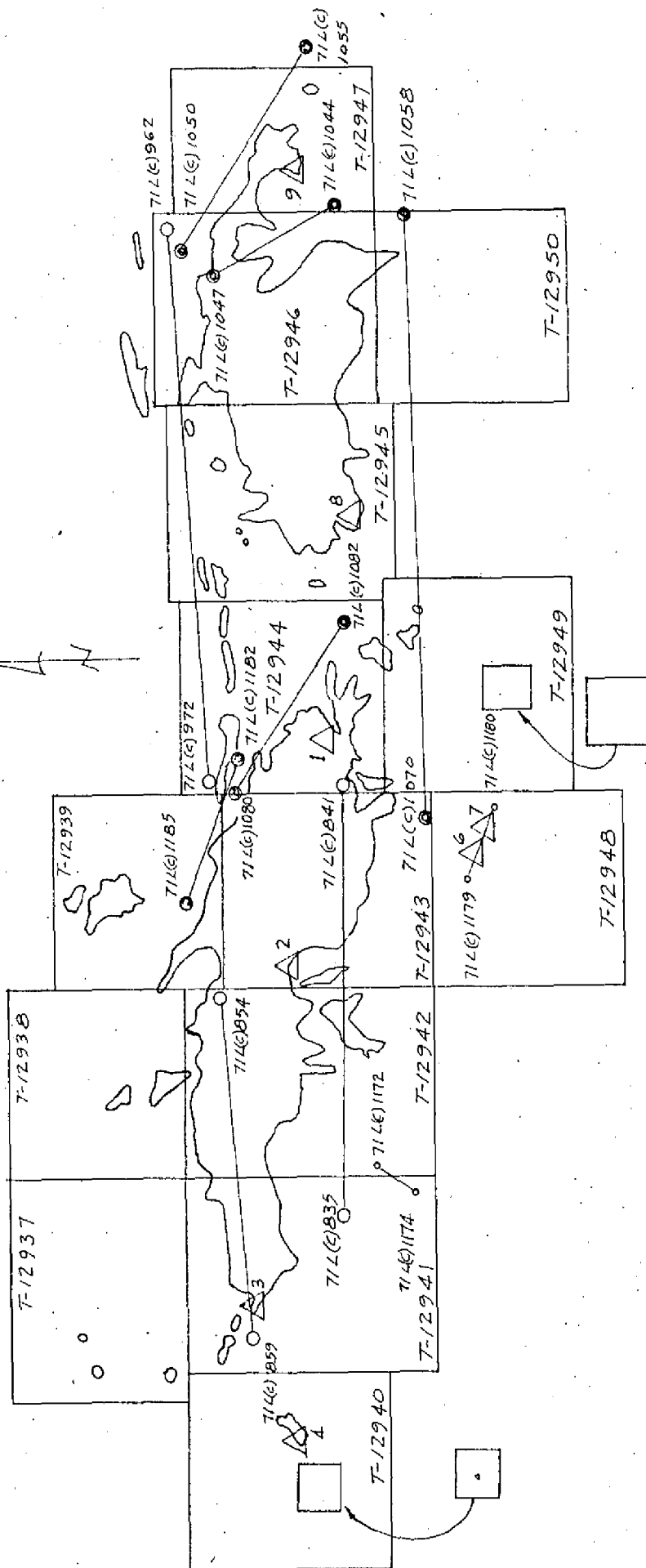
□ 25801 (0.0 0.0)
 25802 (-0.1 +4.5)
 □ 27801 (0.0 0.0)
 41802 (+2.7 +0.3)
 Δ 1 No. 97 (cadastral survey) - sub station (0.0 0.0)

AEROTRIANGULATION SKETCH
VIRGIN ISLANDS
Job PH-6504
January 1972

N ↑



- 1:60,000 panchromatic
- 1:30,000 color
- 1:20,000 color
- 1:10,000 color



Ratio Photographs

- ☐ 1:60,000 panchromatic
☐ 1:30,000 color
☒ 1:20,000 color
☐ 1:10,000 color

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-6504	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		ORIGINATING ACTIVITY Coastal Mapping Section (Rockville)		REMARKS
					COORDINATES IN FEET Puerto Rico	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE			
T-12947					ZONE V, I, Extension	x=1 108 562.15 y= 184 747.39	ϕ λ		
MOOR, 1918		PC-33				x=1 118 281.37 y= 182 929.19	ϕ λ		
FLANAGAN, 1918		PC-33				x=1 110 397.75 y= 189 630.59	ϕ λ		
EAST END, 1918		PC-23				x=1 107 744.41 y= 192 047.31	ϕ λ		
HAUL, 1918 r 1926		PC-32				x= y=	ϕ λ		
						x= y=	ϕ λ		
						x= y=	ϕ λ		
						x= y=	ϕ λ		
						x= y=	ϕ λ		
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						x= y=	ϕ λ		
						x= y=	ϕ λ		
						x= y=	ϕ λ		
COMPUTED BY						COMPUTATION CHECKED BY C.H.B.		DATE 12/5/75	
LISTED BY	C.H.B.					LISTING CHECKED BY C.H.B.		DATE 12/5/75	
HAND PLOTTING BY						HAND PLOTTING CHECKED BY		DATE	

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

Copy - CMB

COMPILATION REPORT

T-12947

31. DELINEATION

1:30,000 scale color photography was set on the B-8 stereoplotter to delineate shoreline and shoreline features. Sufficient pass points were dropped along the shoreline for hydro support. Flanagan Island on the southeast corner of the sheet was delineated graphically from 1:10,000 scale ratio color photographs 71 L 1053 and 1054.

32. CONTROL

Horizontal control was adequate for density and placement. Vertical control, no comment. *Refer to the Photogrammetric Plot Report bound with this Descriptive Report.*

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAIL

The mean high water line was compiled from 1:30,000 scale color photography set on the B-8 stereoplotter.

36. OFFSHORE DETAIL

No comment

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See Form 76-368, Item #5, *bound with this Descriptive Report.*

40. HORIZONTAL AND VERTICAL ACCURACY

No comment

41. - 45. Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangle, EASTERN ST. JOHN, V.I., 1:24,000 scale, dated 1958.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Nautical Chart No. 905, scale 1:100,000, 10th edition, dated April 22, 1972.

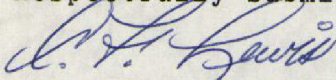
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

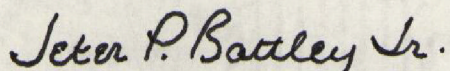
None

Respectfully submitted:



C.F. Lewis
Carto. Tech.

Approved:



Jeter P. Battley, Jr.
Chief, Coastal Mapping Section, Rockville

September 13, 1976

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6504 St. Thomas-St. John, Virgin Islands

T-12947

Blinders Rocks

St. John

Coral Bay

Southside Pond

East End Bay

East End Point

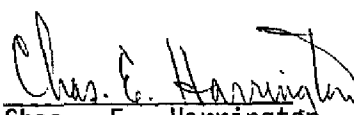
Elk Bay

Approved

Flanagan Island

Flanagan Passage

Gowed Point


Chas. E. Harrington
Staff Geographer-C51x2

Hansen Bay

Haulover

Haulover Bay

Leduck Island

Limetree Cove

Long Bay

Mennebeck Bay

Moor Point

Newfound Bay

Pelican Rock

Pond Bay

Privateer Bay

Privateer Point

Red Point

Round Bay

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
E55A
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T- 12947

1. PROJECTION AND GRIDS CHB	2. TITLE CHB	3. MANUSCRIPT NUMBERS CHB	4. MANUSCRIPT SIZE CHB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CHB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES NA	10. PHOTOGRAMMETRIC PLOT REPORT CHB	11. DETAIL POINTS CHB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CHB	13. LOW-WATER LINE NA	14. ROCKS, SHOALS, ETC. CHB	15. BRIDGES NA
16. AIDS TO NAVIGATION NA	17. LANDMARKS NA	18. OTHER ALONGSHORE PHYSICAL FEATURES NA	19. OTHER ALONGSHORE CULTURAL FEATURES CHB
PHYSICAL FEATURES			
20. WATER FEATURES CHB	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES NA
CULTURAL FEATURES			
27. ROADS CHB	28. BUILDINGS CHB	29. RAILROADS NA	30. OTHER CULTURAL FEATURES NA
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CHB	34. JUNCTIONS CHB		35. LEGIBILITY OF THE MANUSCRIPT CHB
36. DISCREPANCY OVERLAY CHB	37. DESCRIPTIVE REPORT CHB	38. FIELD INSPECTION / EDIT PHOTOGRAPHS CHB	39. FORMS CHB
40. REVIEWER <i>Charles H. Bishop</i> Charles H. Bishop May, 1976		SUPERVISOR, REVIEW SECTION OR UNIT <i>Joseph W. Vonasek</i> Joseph W. Vonasek	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER R.R. White <i>R.R. White</i> May, 1976 Rev: C.H. Bishop <i>CHB</i> May, 1976		SUPERVISOR <i>Joseph W. Vonasek</i> Joseph W. Vonasek	
43. REMARKS			

FIELD EDIT REPORT

Maps T-12946 and T-12947

May 1976

No written report was submitted for the edit done in 1976.

Field edit of these maps was done near low tide (0.3 feet above MLW, predicted) on April 16, 1976 by CDR. Trauschke and Lt. Chelgren of the Ship WHITING. Edit notes were made on color ratio photographs and the Discrepancy Prints with grease pencil. Field edit photographs, one Discrepancy Print each for Maps T-12946 and T-12947, and one Form 76-40, Landmarks for Charts, were delivered to the Special Projects Section, Coastal Mapping Division, AMC by CDR. Trauschke in person on 30 April 1976. At this time, a brief discussion of the field edit ensued. The fact that the MHWL and MLWL are the same or almost the same line was brought out. The notes "Correct as compiled" or "As shown" or other notes with like meaning, applicable to reefs and ledges on the Discrepancy Prints, were verbally amended to mean that the reefs and ledges are there, but are submerged, rather than awash as indicated by the ledge symbol originally mapped.

Charles H. Bishop

Charles H. Bishop
Cartographer
20 May 1976

REVIEW REPORT T-12947

SHORELINE

November 19, 1976

61. GENERAL STATEMENT:

See Summary, which is page 6 of this Descriptive Report.

A comparison print showing differences noted in Par. 63 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

A comparison was made with a 1:20,000 scale reduction of 1:10,000 scale Survey T-3783, dated 1918. No significant differences were noted.

In the area compared, T-12947 supersedes T-3783 for nautical chart construction purposes. T-3783 is the latest registered prior survey of the area.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U.S.G.S. Quadrangle EASTERN ST. JOHN, V.I., 1:24,000 scale, dated 1958. Significant differences are shown in brown on the comparison print.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

There are no contemporary hydrographic surveys covering the area of this map. No comparison was made.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with Chart 25641, 1:10,000 scale, 14th edition, dated April 24, 1976. No significant differences were noted. The chart scale is too small for adequate comparison.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with Project Instructions and meets requirements for Bureau Standards and National Standards of Map Accuracy.

Submitted:

Charles H Bishop

Charles H. Bishop
Cartographer
November 19, 1976

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

A. K. [Signature]

Chief, Photogrammetric Branch

James Colby

Chief, Coastal Mapping Div.

Y=195,000 FT.

64°41'00"

71L1052

23

Rocks not visible
on photos

21'30"

Mennebeck Bay

Subm Coral Reef

Gowed Pt

HAUL 1918

Haulover Bay

Subm Coral Reef

Haulover

S

pier gone

18°21'

Y=190,000 FT.

Elk Bay

Subm coral

Subm coral

Limetree Cove

(1) Coral
Blinders
Rocks

Not visible
on photos

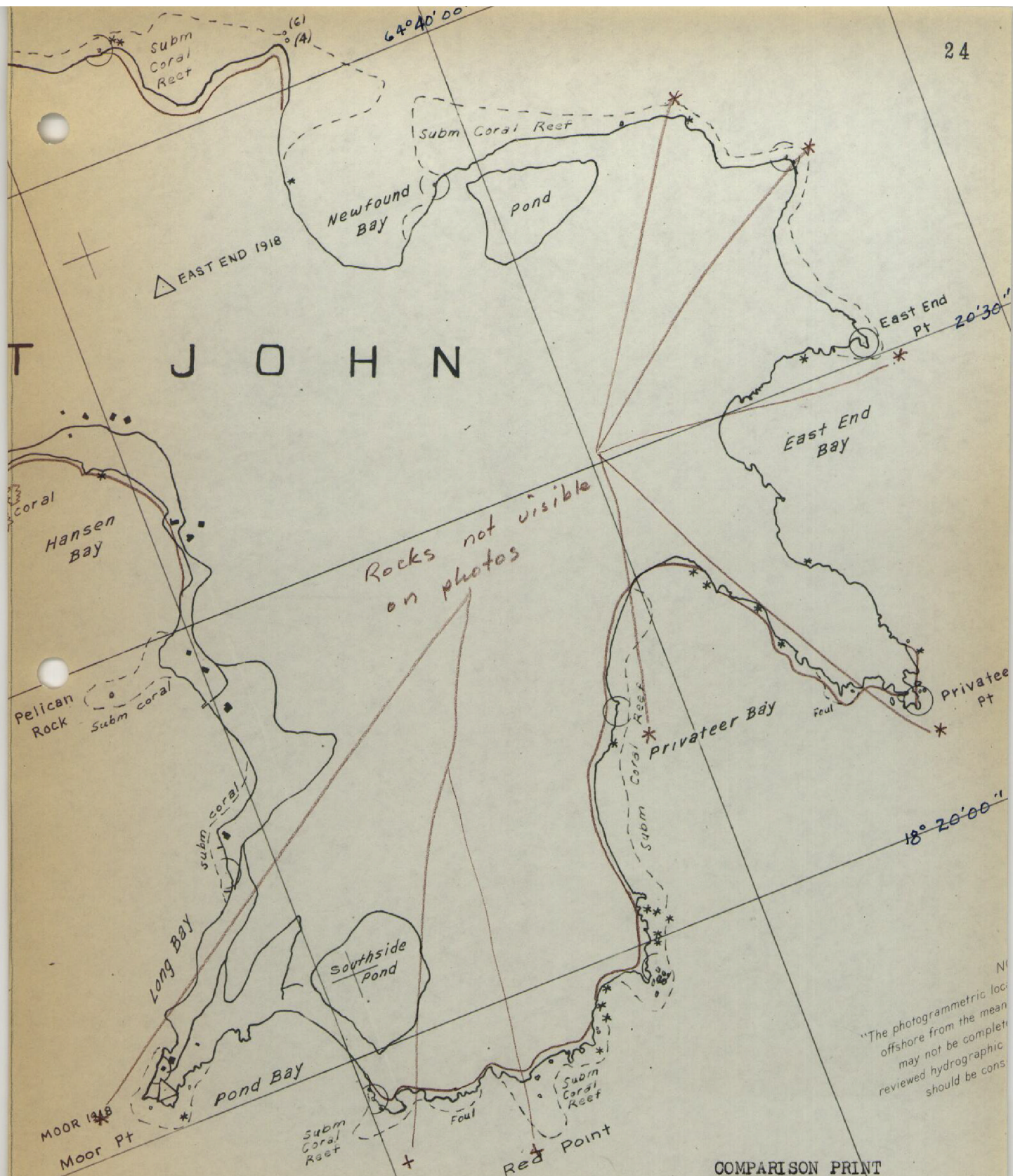
COMPARISON PRINT

Brown = U.S.G.S.

20'30"

Round Bay

T-12947
1:10,000



"The photogrammetric loc
offshore from the mean
may not be complete
reviewed hydrographic
should be cons

COMPARISON PRINT

Brown = U.S.G.S.

T-12947

1:10,000

Y = 180,000 ft.

No bare rock
on USGS

71 L 1044

Leduck
Island

COMPARISON PRINT

Brown = U.S.G.S.

18° 18' 45"

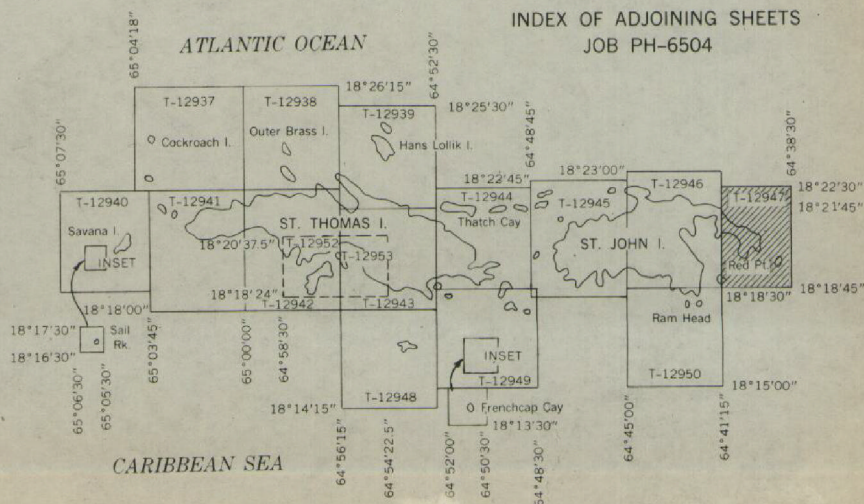
64° 41' 15"

41'

40' 30"

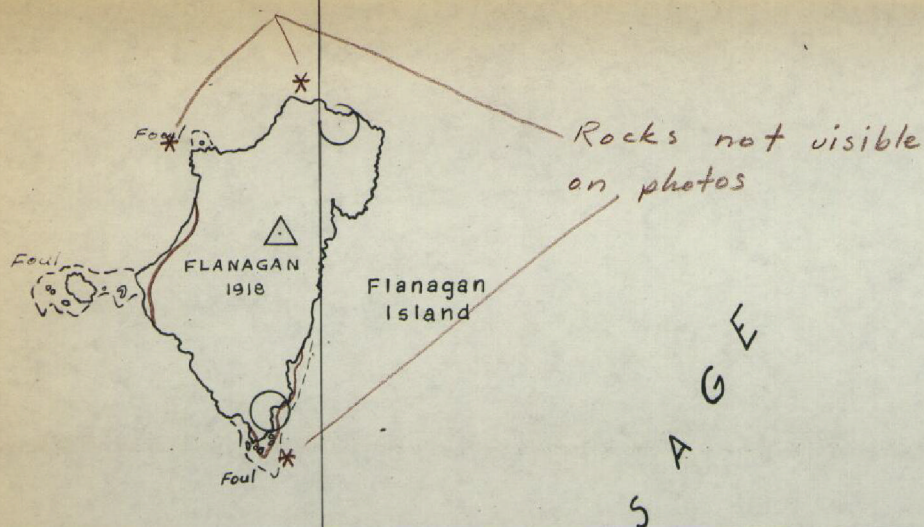
X = 1,110,000

ATLANTIC OCEAN

INDEX OF ADJOINING SHEETS
JOB PH-6504

T-12947

1:10,000



S
A
G
E
P
A
S

19° 30"

Y=180,000 FT.

19'

COMPARISON PRINT

Brown = U.S.G.S.

18° 18' 45"

64° 38' 30"

39'

X=1,120,000 FT.

Station of third-order or higher accuracy
 the approximate mean high water.
 methods, from aerial photographs

Nov.
 None
 April 1976
 July 1976
 Nov. 1976

NATIONAL OCEAN SURVEY
 SHORELINE MANUSCRIPT
 T-12947
 VIRGIN ISLANDS
 ST. JOHN

MENNEBECK BAY TO FLANAGAN ISLAND

SCALE 1:10,000

(1 inch = 833.33 ft.)

CONTROL DATA

Polyconic projection: Puerto Rican Datum

2047

T-12947
National Archives Data

- 1 Discrepancy Print (Field Edit Sheet)
- 1 Form C&GS-152 (Control Station Identification)
- 2 Form 266 (Observation of Sun for Azimuth & Time)