

T-12948

T-12948

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-12948
Classification No. Final Edition No. 1
Field Edited Map

LOCALITY

State Virgin Islands
General Locality St. Thomas
Locality Buck Island
.....

19 71 TO 19 75

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 ~~XX~~-T-12948

MAP EDITION NO. (1)

MAP CLASS Final (F.E.)

JOB PH- 6504

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division, Rockville
Coastal Mapping Division, Norfolk

OFFICER-IN-CHARGE

Jack Guth

Jeffrey G. Carlen

LAST PRECEDING MAP EDITION

TYPE OF SURVEY

- ☐ ORIGINAL
☐ RESURVEY
☐ REVISED

JOB PH- _____

MAP CLASS _____

SURVEY DATES:

19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE

Dec. 14, 1971 Aerotriangulation
Jan. 25, 1972 Compilation

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 RicoZONE Virgin Islands
Extension

5. SCALE

1:10,000

STATE

ZONE

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	D. Norman	Dec. 1971
	LANDMARKS AND AIDS BY	NA	
2. CONTROL AND BRIDGE POINTS METHOD: Coradi	PLOTTED BY	D. Phillips	Jan. 1972
	CHECKED BY	D. Phillips	Jan. 1972
3. STEREOSCOPIC INSTRUMENT GRAPHIC COMPILATION	PLANIMETRY BY	P. Dempsey	Jan. 1972
	CHECKED BY	J. Richter	Jan. 1972
INSTRUMENT:	CONTOURS BY	NA	
SCALE: 1:10,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION Inked	PLANIMETRY BY	P. Dempsey	Jan. 1972
	CHECKED BY	J. Richter	Jan. 1972
METHOD:	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	P. Dempsey	Jan. 1972
	CHECKED BY	J. Richter	Jan. 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	J. Richter	Jan. 1972
	BY	R. White	Aug. 1975
6. APPLICATION OF FIELD EDIT DATA	CHECKED BY	C. Bishop	Nov. 1975
7. COMPILATION SECTION REVIEW	BY	C. Bishop	Nov. 1975
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. T. CATOR	MAR. 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)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYT-12948
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "E" & "L"	TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED	TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		ZONE Atlantic MERIDIAN 60th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71L(C)1178 - 1180	21 NOV 71	9:04	1:10,000	1.5 ft. above MLW
*72E(C)7427 - 7429	23 NOV 7 ²	15:11	1:12,000	1.3 ft. above MLW

REMARKS

*Photobathymetry photography used to update MHWL compilation from the 1971 photographs. Stage of tide based on staff readings.

2. SOURCE OF MEAN HIGH-WATER LINE:

Office interpretation of color photographs listed above.

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

None 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 T-12943 ✓	EAST T-12949 ✓	SOUTH No Contem- porary Survey ✓	WEST No Contem- porary Survey ✓
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REMARKS

T-12948

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. K. Wilson	1971
2. HORIZONTAL CONTROL	RECOVERED BY R. S. Tibbetts ESTABLISHED BY N. A. PRE-MARKED BY R. S. Tibbetts	Oct. 1971 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 R. S. Tibbetts LOCATED (Field Methods) BY NA IDENTIFIED BY NA	Oct. 1971
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	BY
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY NA	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
		None	
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: <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 CSI card 2 Hewlett Packard data forms			

T-12948
HISTORY OF FIELD OPERATIONS1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	Robert S. Tibbetts	8/5/75
2. HORIZONTAL CONTROL	RECOVERED BY None ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY N/A ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY N/A LOCATED (Field Methods) BY IDENTIFIED BY	
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 N/A	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N/A	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

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 ☒ NONE6. 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 Discrepancy Print
- 1 Field Edit Report

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Jan. 1972	Class III Manuscript Superseded	Jan. 1972	Jan. 1972
East shore of Capella Islands adjusted by photobathymetry	Oct. 1974	Class III Manuscript Superseded	Oct. 1974	Hydro Processing Oct. 1974
1975 Field Edit Applied Compilation complete	Aug. 1975	Class I Manuscript Superseded	Aug. 1975	
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
1		21 Dec 1976	Form 76-40 for one fixed aid. (1)

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

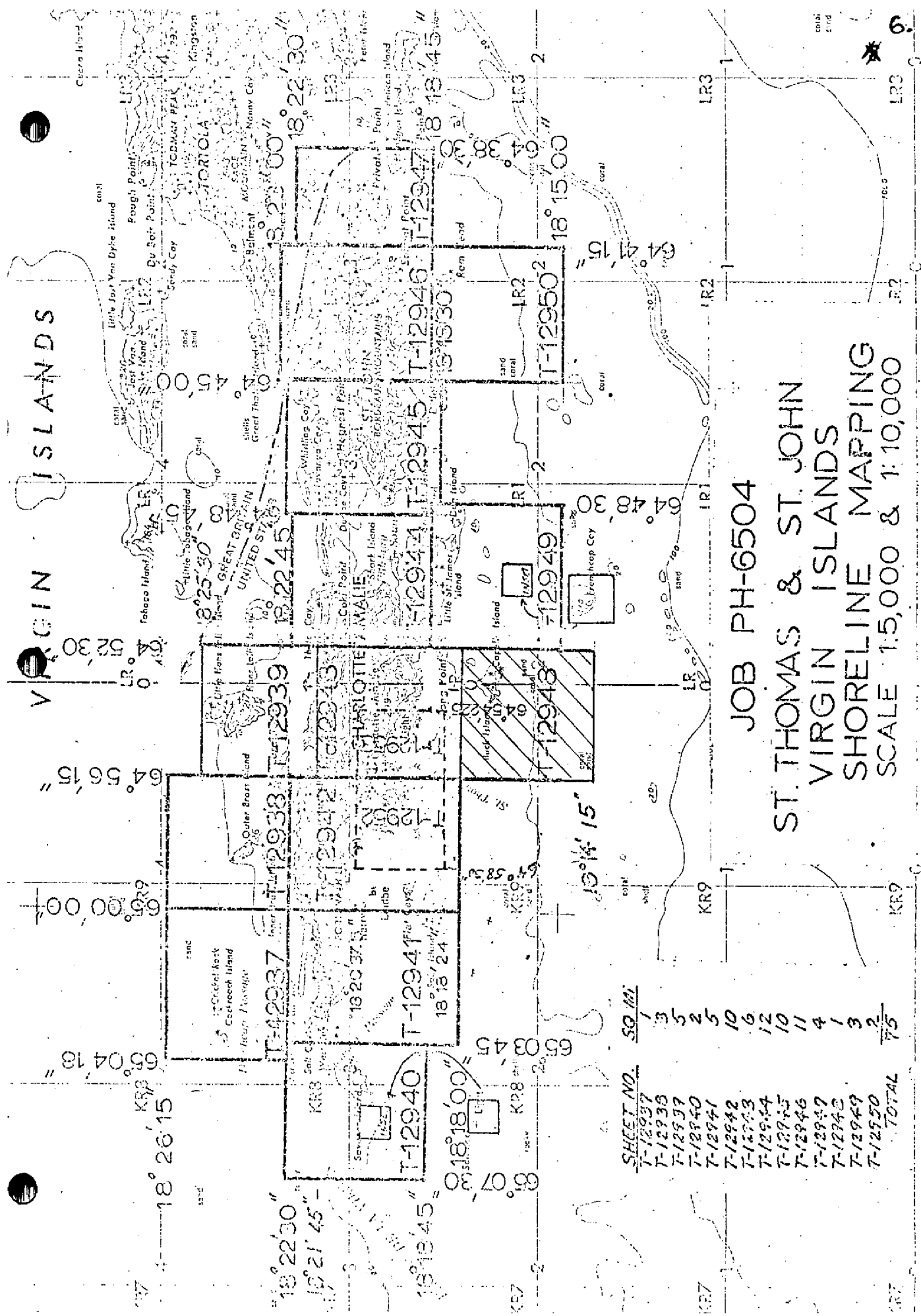
III. FEDERAL RECORDS CENTER DATA

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	



JOB PH-6504
ST. THOMAS & ST. JOHN
VIRGIN ISLANDS
SHORELINE MAPPING
SCALE 1:5,000 & 1:10,000

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.

Respectfully submitted:

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

Approved and Forwarded:

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

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

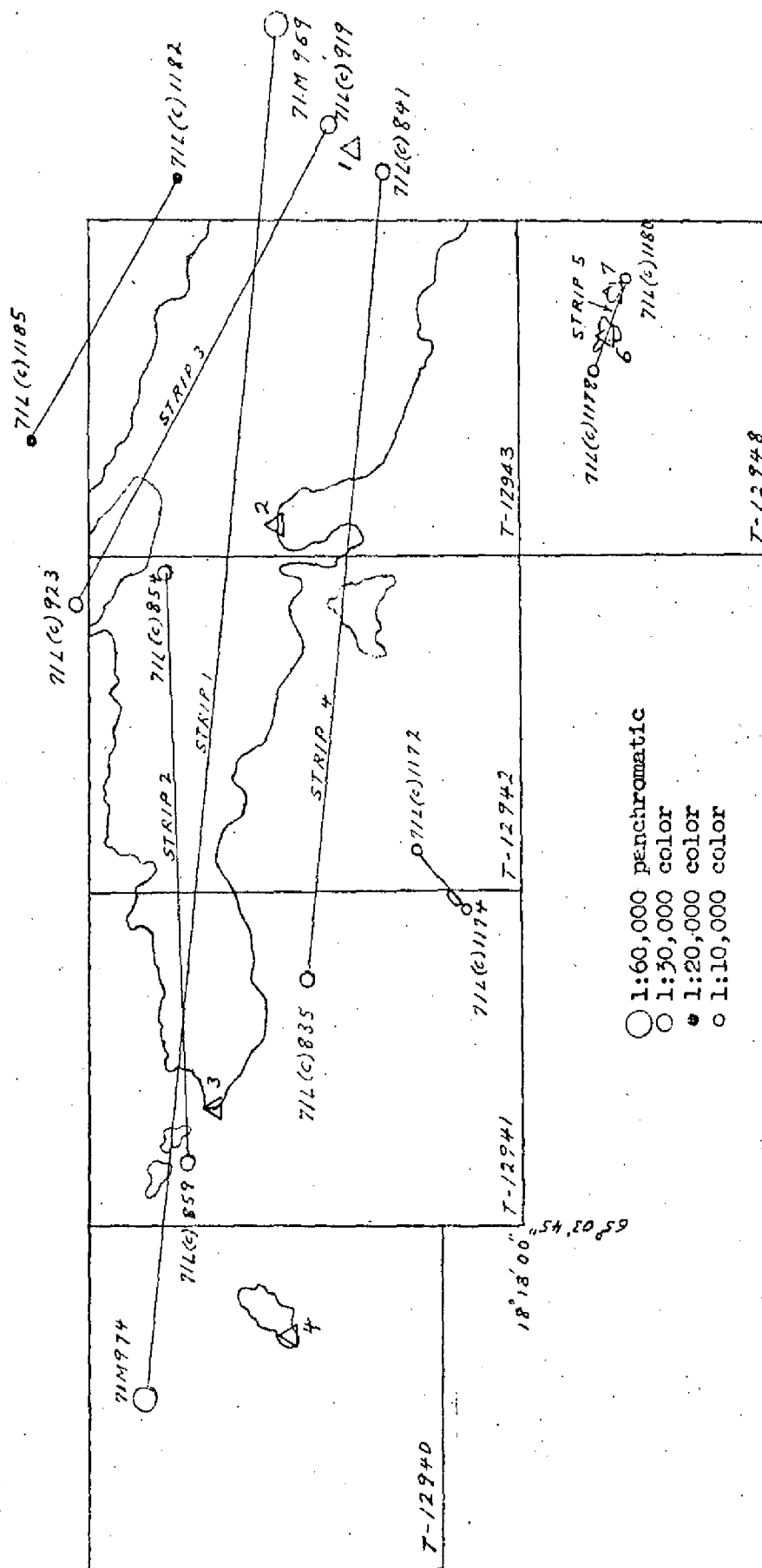
□ 6801 (0.0 0.0)
 6802 (+1.8 +0.4)
 7801 (-0.7 -0.1)
 27801 (-0.2 +2.3)
 9801 (-1.8 -0.9)
 Δ 1 No. 97 (cadastral survey) - sub station (0.0 0.0)
 10801 (-1.5 +0.9)
 10802 (+0.4 +0.3)
 □ 21801 (0.0 0.0)

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)

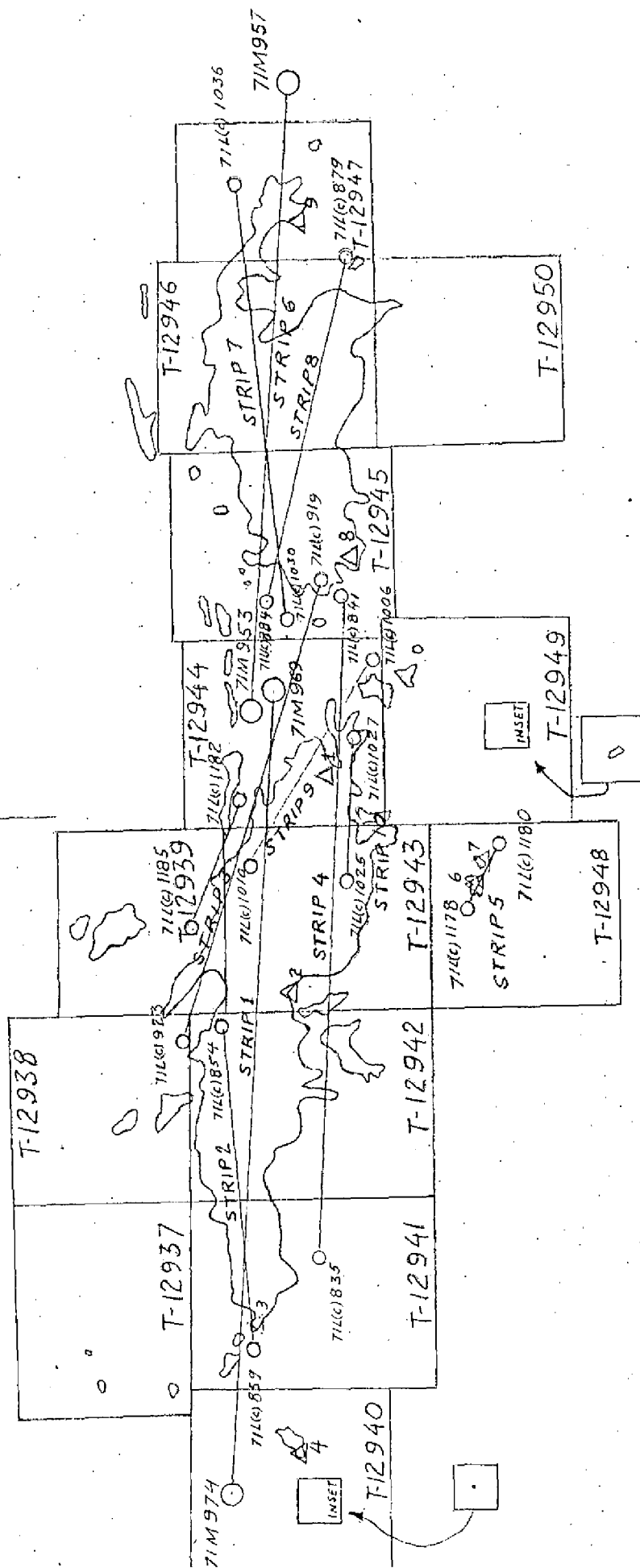
AEROTRIANGULATION SKETCH
 VIRGIN ISLANDS
 Job PH-6504
 January 1972

N ↑



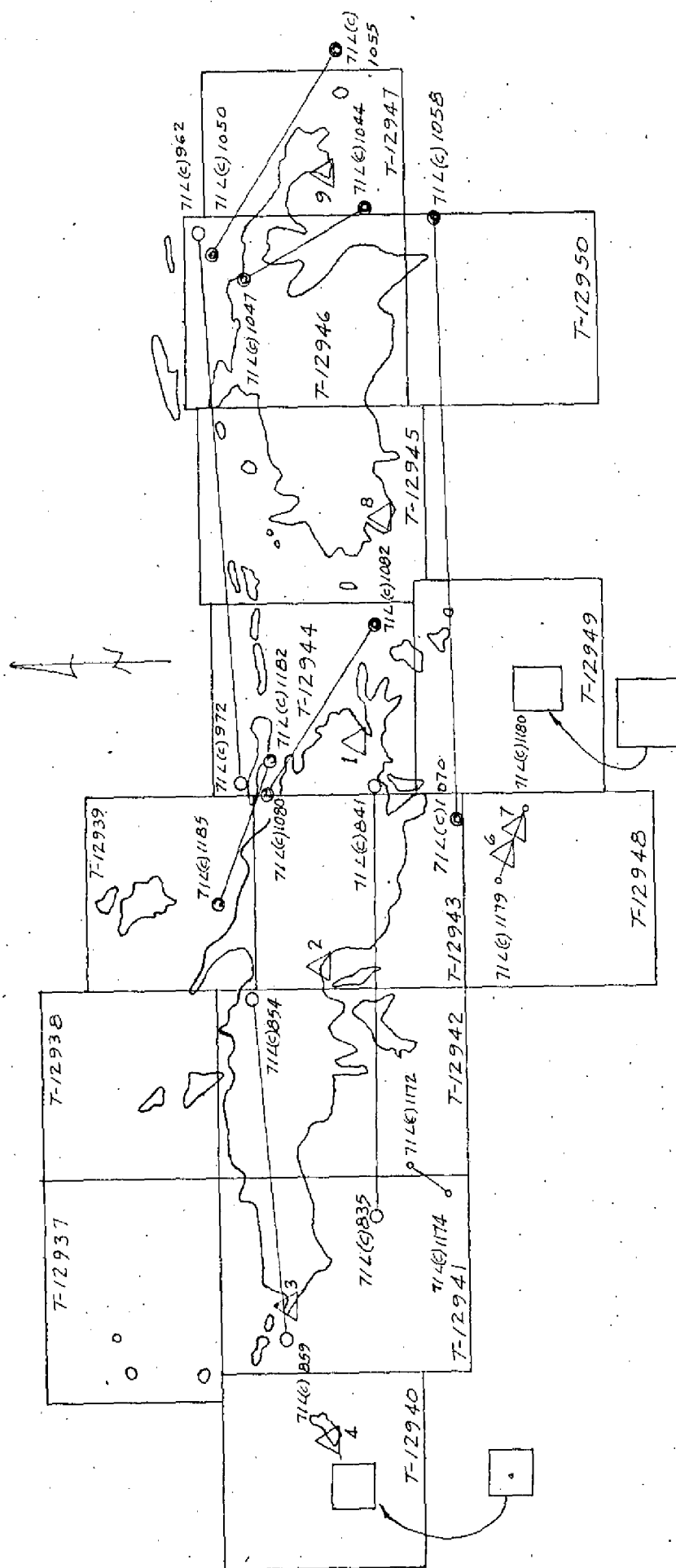
- 1:60,000 panchromatic
- 1:30,000 color
- 1:20,000 color
- 1:10,000 color

Job, 1969



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

AEROTRIANGULATION SKETCH
 VIRGIN ISLANDS
 JOB PH-6504



Ratio Photographs

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. T-12948	JOB NO. PH-6504	GEODETIC DATUM Puerto Rico	ORIGINATING ACTIVITY Coastal Mapping Section, AMC		
STATION NAME BUCK 1918 (BUCK IS.L.H.)	SOURCE OF INFORMATION (Index) P.C. Pg. 22	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE Puerto Rico ZONE V. I. Extension	GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE	REMARKS
			X= 1,034,356.37	ϕ	
			Y= 164,493.14	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
			X=	ϕ	
			Y=	λ	
COMPUTED BY		DATE	COMPUTATION CHECKED BY C. H. B.		DATE 11/24/76
LISTED BY C.H.B.		DATE 11/24/76	LISTING CHECKED BY C.H.B.		DATE 11/24/76
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE

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

copy - C 10B

COMPILATION REPORT

T-12948

31. DELINEATION

1:10,000 scale photography was used to graphically delineate shoreline, shoreline features, and aids to navigation. Sufficient pass points were dropped along shoreline to position signals.

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 DETAILS

The mean high water line was compiled graphically from 1:10,000 color photographs.

36. OFFSHORE DETAILS

No comment

37. LANDMARKS AND AIDS

One aid to navigation (BUCK I LIGHT (BUCK, 1918)) was plotted. There are no landmarks. *See copy of Form 76-40 bound with this Descriptive Report.*

This position is control and was furnished by Geodesy.

38. CONTROL FOR FUTURE SURVEYS

None

39. JUNCTIONS

See Form 76-36B, Item #5, *bound with this Descriptive Report.*

40. HORIZONTAL AND VERTICAL ACCURACY

No statement

41. - 45. Inapplicable

46. COMPARISON WITH EXISTING MAPS

Comparison was made with U.S.G.S. Quadrangle
EASTERN ST. THOMAS, V.I., scale 1:24,000, dated 1954.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 938,
scale 1:15,000, 4th edition, Oct. 10, 1970.

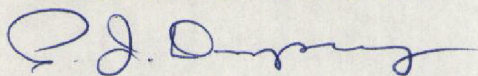
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

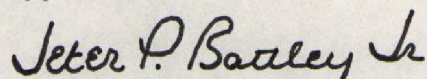
None

Respectfully submitted:



P.J. Dempsey
Carto (Photo)

Approved:



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

ADDENDUM TO THE COMPILATION REPORT

T-12948

Where necessary, the mean high water line was changed slightly when the photobathymetry models were set. The viewing scale of these models gave a better determination of the mean high water line.

One rock awash was added at the east end of the easterly island and a foul area was added at the north tip of Buck Island during Final Review.

Charles H. Bishop

Charles H. Bishop
Final Reviewer
November 29, 1976

September 13, 1976

GEOGRAPHIC NAMES

19

FINAL NAME SHEET

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

T-12948

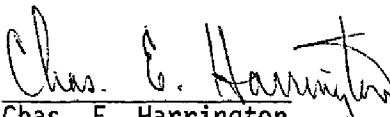
Buck Island

Approved

Capella Bay

Capella Islands

Caribbean Sea


Chas. E. Harrington
Staff Geographer-C51x2

FORM C&GS-1002
(9-66)U.S. DEPARTMENT OF COMMERCE
ESSA
COAST AND GEODETIC SURVEYPHOTOGRAMMETRIC OFFICE REVIEW
T. 12948

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 CHB	17. LANDMARKS NA	18. OTHER ALONGSHORE PHYSICAL FEATURES NA	19. OTHER ALONGSHORE CULTURAL FEATURES NA
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 CHB
CULTURAL FEATURES			
27. ROADS NA	28. BUILDINGS NA	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 Charles H. Bishop Charles H. Bishop		SUPERVISOR, REVIEW SECTION OR UNIT Joseph W. Vonasek 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. White Rev: C. Bishop		SUPERVISOR Joseph W. Vonasek Joseph W. Vonasek	
43. REMARKS			

Field Edit Report
Virgin Islands, 1975
Job ~~CM-7304~~ PH-6504
Sheet T-12948

51. METHODS

Field edit was accomplished from the water; this sheet has limited shoreline.

52. ADEQUACY OF COMPILATION

Adequate after application of field edit information.

53. MAP ACCURACY

Not checked by field editors.

54. RECOMMENDATIONS

None.

Robert S. Tibbetts
Robert S. Tibbetts
Chief, Photo Party 62

REVIEW REPORT T-12948

SHORELINE

November 29, 1976

61. GENERAL STATEMENT:

See Summary which is page ~~6~~⁷ of this Descriptive Report.

A comparison print showing differences noted in Par. 64 and 65 is bound with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No prior registered topographic surveys were available for this area - no comparison was made.

T-12948 supersedes any registered prior survey that may exist for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A comparison was made with U. S. G. S. Quadrangle EASTERN ST. THOMAS, V. I., 1:24,000 scale, dated 1954. No significant differences were noted.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with the verified smooth sheet for Survey H-9353 (WH-10-1-73). Significant differences are shown in purple on the comparison print.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 25647, 1:15,000 scale, 5th edition, dated Sept. 7, 1974. Significant differences are shown in red on the comparison print. The charted shoreline needs revision.

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 29, 1976

Approved for forwarding:

Joseph W. Vonasek

Joseph W. Vonasek
Chief, Photogrammetric Branch, AMC

Approved:

[Signature]
Chief, Photogrammetric Branch

[Signature]

Chief, Coastal Mapping Division

64° 54'

53' 30"

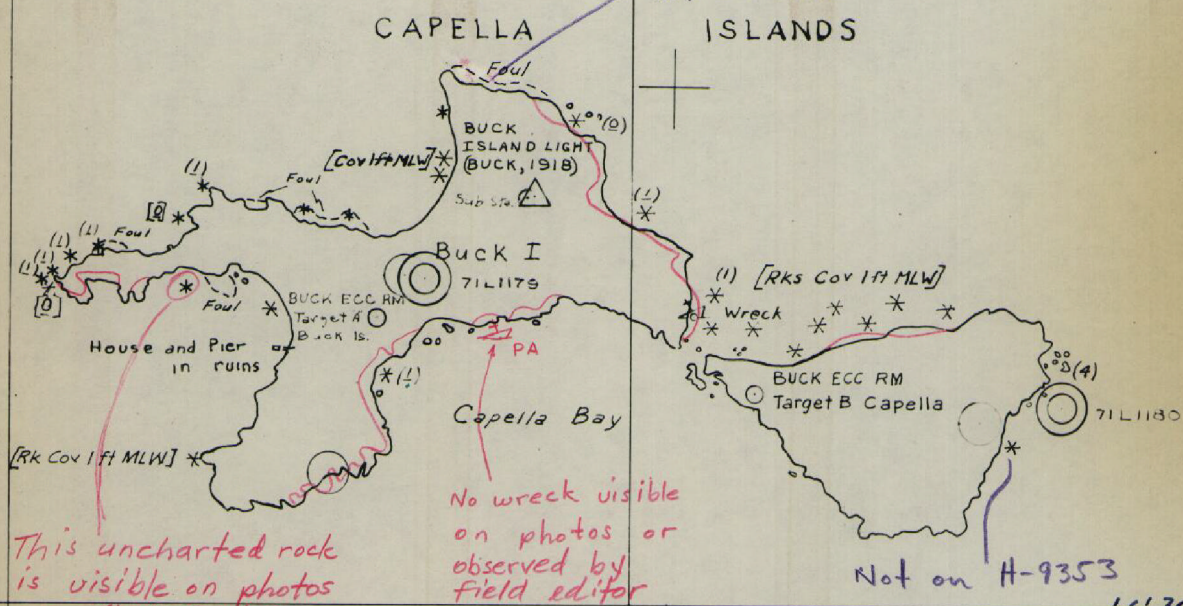
25

COMPARISON PRINT

Red = Chart 25647

18° 17'

Foul area
not on H-9353
ISLANDS



Not on H-9353

16' 30"

T-12948

1:10,000

T-12948
National Archives Data

- 1 Discrepancy Print (Field Edit Sheet)
- 1 Form C&GS-152 (Control Station Identification)