

12952

Form 504

U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (Photogrammetric)

Field No. Office No. T-12952

LOCALITY

State VIRGIN ISLANDS

General locality SAINT THOMAS

Locality WEST GREGERIE CHANNEL

19.65-66

CHIEF OF PARTY

J. Bull, Director, Avlantic Marine Center

LIBRARY & ARCHIVES

DATE

USCOMM-0C 5087

 v = 1,010,664.01 ft.
 Virgin Islands
 Puerto Rico Zone 1

UNADJUSTED

STATE

ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.

64°57'39.454"(1158.6m)

18**°**19'00.587"(18.0m)

PLANE COORDINATES (IV):

FORM C&GS-181b

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

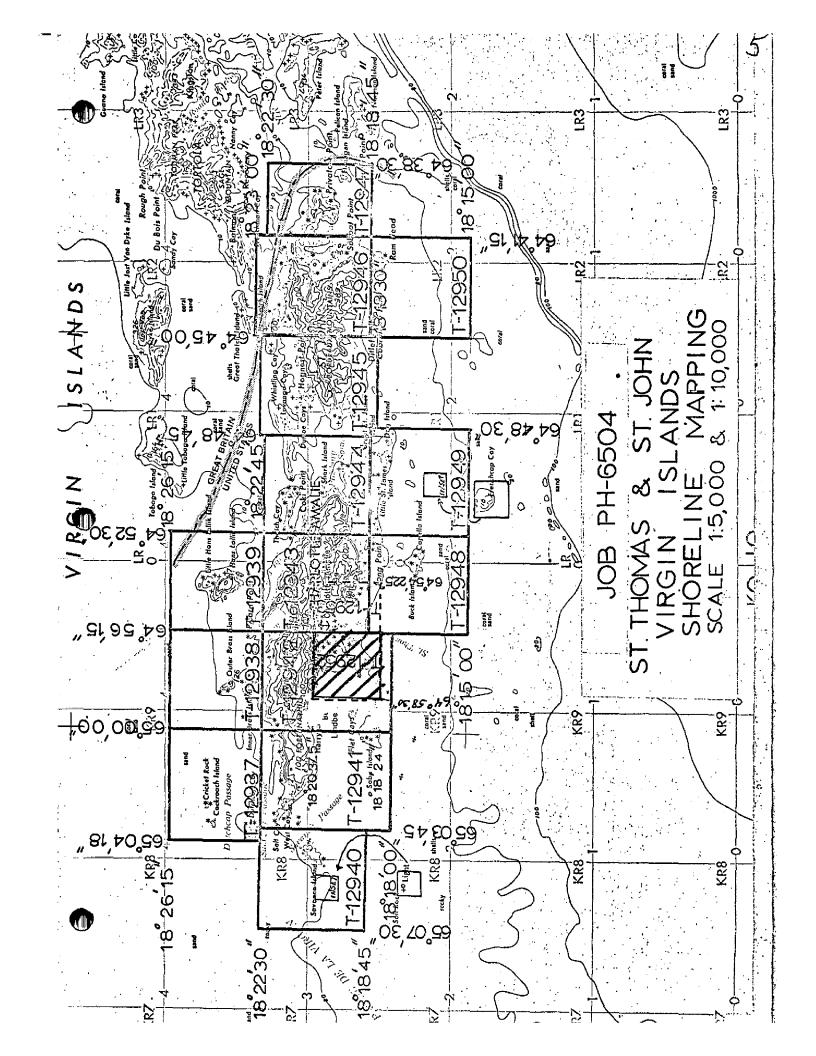
FIELD INSPECTION BY (II):		DATE:
MEAN HIGH WATER LOCATION (III) (STATE DATE	E AND METHOD OF LOCATION):	
Air Photo Compilation		,
Date of Photography Man	rch 9, 1965	
PROJECTION AND GRIDS RULED BY (IV):		DATE
		DATE
A. E. Roundtree		October 1965
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
J. Collum		October 1965
CONTROL PLOTTED BY (III):		DATE
B. H. Barnes		December 2065
D. II. Darlies		December 1965
CONTROL CHECKED BY (III):		DATE
A. C. Rauck, Jr.		December 14,1965
		200011102 24,92,00
RADIAL PLOT OR STEREOSCOPIC CONTROL EXT	TENSION BY (III).	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXT	ENSION BY (III):	DATE
I. I. Saperstein		November 1965
STEREOSCOPIC INSTRUMENT COMPILATION (III)	PLANIMETRY B. Barnes	DATE
	(checked) R. Pate, L. Graves	January 1966
	CONTOURS	DATE
	Inapplicable	
MANUSCRIPT DELINEATED BY (III):	DATE	
B. Barnes		January 1966
SCRIBING BY (III):	DATE	
		DATE
A. Shands		Dune 1966
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
L. L. Graves		June 1966
DEMARKS.	1 11 11	
No Original Field Inspe	retion - Field odited only	

FORM C&G5-181c (12-61) U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY **DESCRIPTIVE REPORT - DATA RECORD** CAMERA (KIND OR SOURCE) (III): L camera PHOTOGRAPHS (III) NUMBER DATE TIME SCALE STAGE OF TIDE 16:15 65 L 1494 9 March 1965 1:15,000 -0.07 65 L 1495 16:15 -0.07 65 L 1496 91 16:16 ŖΤ -0.07 65 L 1497 16:16 Ħ -0.07 65 L 1554 16:37 -0.1765 L 1555 16:37 -0.1765 L 1556 16:37 -0.17 65 L 1557 16:37 -0.17Predicted TIDE (III) SANAGE RATIO OF MEAN RANGES RANGE RAMAR Diurnal REFERENCE STATION: GALVESTON, TEXAS 1.4 SUBORDINATE STATION: 0.57 0.8 Charlotte Amalie, St. Thomas, V. I. SUBORDINATE STATION: DATE: WASHINGTON OFFICE REVIEW BY (IV) Les F. Beugnet, Attantic Marine Conter Feb. 13 1967 PROOF EDIT BY (IV): RECOVERED: IDENTIFIED: NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 3 3 3 RECOVERED: IDENTIFIED NUMBER OF BM(\$) SEARCHED FOR (II): none NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): none NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): none REMARKS:

Field Edit by D. R. Rich LTjg March 1966 COMPILATION RECORD

COMPLETION DATE REMARKS

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A CHECK CONTROL DESCRIPTION OF A CHECK CONTROL OF THE CHECK CONTROL OF THE PROPERTY OF THE CHECK CONTROL OF THE CH	ary 1966 Superseded
Field Edit applied Manuscript complete June	1966 Superseded
corrected during Final Review Fet	6. 1967
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SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-12952

Shoreline map T-12952 is one of two 1:5,000 scale maps in Project PH-6504. They were compiled at this time to provide new shoreline and photo-hydro support data for hydrographic surveys to be made in the area of Charlotte Amalie, St. Thomas Island.

Field operations preceding compilation, by Kelsh instrument methods, was confined to the recovery and identification of horizontal control. Compilation was at 1:5,000 scale using the panchromatic photography obtained on 9 March 1965. A cronaflex copy of the Incomplete manuscript along with 1:5,000 scale ratio photographs were subsequently provided for preparation of the hydrographer's boat sheet, photo-hydro support and field edit purposes. The manuscript was classified Advance after application of Field edit data.

The manuscript is a vinylite sheet 2 minutes 13.5 seconds in latitude by 2 minutes 15 seconds in longitude which was scribed and reproduced on cronaflex. One cronar positive and one cronar negative are provided for record and registry.





T - 12952

There was no Field Inspection prior to compilation.

FORM 164 (4.23.54)

U.S. DEPARTMENT OF COMMERCE

SCALE OF MAP 1:5,000 SCALE FACTOR Page 1 of 2 PARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT MAP T. 12592 PROJECT NO PH-6504

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DATE..

CHECKED BY ...

DATE

1 FT.= 3048006 METER COMPUTED BY ...

FORM **164** (4-23-54)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY DESCRIPTIVE REPORT

Page 2 Of 2

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COMPILATION REPORT T-12952

The Photogrammetric Plot Report has been submitted with T-12953.

31. DELINEATION

The Kelsh plotter was used. There was no field inspection. Sprat Point was delineated by graphic method. Refer to Paragraph 49. Photography was satisfactory.

32. CONTROL

See Photogrammetric Plot Report.

33. SUPPLEMENTAL DATA

None.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

There was no shoreline inspection. Shoreline and alongshore details were delineated from office interpretation of the photography. No low water line was shown.

36. OFFSHORE DETAILS

Refer to paragraph 49.

37. LANDMARKS AND AIDS

One aid to navigation was located during the hydrographic survey and the appropriate copies of Form 567 have been submitted to the Washington Science Center under date, June 30, 1966. One landmark was verified during the hydrographic survey and the appropriate copies of Form 567 have been submitted to the Washington Science Center under date, July 21, 1966.



38. CONTROL FOR FUTURE SURVEYS

None.

JUNCTIONS

1:5,000 scale manuscripts T-12952 and T-12953 lie within 1:10,000 scale manuscripts T-12942, T-12943 and T-12948. A satisfactory junction was made of T-12952 and T-12953. The 1:10,000 scale manuscripts are to be compiled at a later date.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with U.S.G.S. Quadrangle St. Thomas, Virgin Islands, scale 1:24,000, dated 1955.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with USC&GS Chart 933, scale 1:10,000 dated April 26, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

L. L. Graves

Cartographic Technician

L Graves

Approved and forwarded:

J. Bull, CAPT, USESSA

Director, Atlantic Marine Center

48. GEOGRAPHIC NAME LIST

ALTONA *

BANANA POINT

BANANA BAY *

CABRITABERG

CAREEN HILL

CARIBBEAN SEA

CAROL POINT

CAROLINE POINT

CAY BAY *

CHARLOTTE AMALIE

CROWN BAY

DRUIF BAY

DRUIF POINT *

EAST GREGERIE CHANNEL

ELEPHANT BAY

FLAMINGO BAY

FLAMINGO HILL *

FLAMINGO POINT

FLAMINGO POND **

FRENCHTOWN

GRAMBOKOLA HILL

HARRY S TRUMAN AIRPORT

HASSEL ISLAND

HAULOVER CUT *

HAYPIECE HILL

KRUM BAY

LIMESTONE BAY

LIMESTONE ROCK *

LINDBERGH BAY

LITTLE KRUM BAY

MOSQUITO POINT

NISKY MISSION *

NISKY MORAVIAN MISSION *

PORPOISE ROCKS

PROVIDENCE HILL *

PROVIDENCE POINT

RED POINT

REGIS POINT

REVENGE BEACH

RUYTER BAY

SAND BAY *

SANDY POINT *

SPRAT BAY

SPRAT POINT

ST THOMAS ISLAND*

WATER ISLAND

WEST GREGERIE CHANNEL

* Hame does not appear on this monoserist

* Hame from Field editor - Soe Field edit sheet

^{*} Taken from C&GS Chart 933

^{**} Taken from Field Edit

49. NOTES FOR THE HYDROGRAPHER

Features believed to be of landmark value have been shown, but their visual or navigational value should be verified.

Rocks, piles, shoals, and other offshore features have been shown from office interpretation, they should be verified.

Sandy Point Rock Light was located by the Kelsh. It should be verified as to its identity and location.

Porpoise Rocks were located using cuts from only two photographs. They were then delineated from these photographs. Their geographic positions and elevations should be definitely established by the hydrographer.

Sprat Point was delineated graphically using only two photographs for positioning of this point. Its geographic position and eastern, western, and southern shoreline should be verified.

C&GS FORM 1002			u,	S. DEPARTMENT OF COMMERCE
-	PHO		RIC OFFICE REVIEW	
50		T-1	0363 12952	
1. PROJECTION AND GRIDS	2. TITLE	·	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
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8. BENCH MARKS	9. PLOTTING OF	FSEXTANT	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
XX	LLG		Bridge (W.O.)	Kelsh
ALONGSHORE AREAS (Nautical	Chart Date)			
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
LLG	XX		ILG	XX
16. AIDS TO NAVIGATION	17. LANDMARK	S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
LLG	XX		LIG	LLG
PHYSICAL FEATURES	. 	·		.
20. WATER FEATURES	· · · · · · · · · · · · · · · · · · ·	21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
LLG		LLC	3	XX
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS	IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
XX	XX		XX	LLG
CULTURAL FEATURES	·		*	
27. ROADS	28. BUILDINGS		29. RAILROADS	30. OTHER CULTURAL FEATURES
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MISCELLANEOUS		·	. 	
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36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
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40. REVIEWER			SUPERVISOR, REVIEW SECTION	ON OR UNIT
LI Graves			albert C. Rai	ick. yi
Larry Lawrence Grav			Albert C. Rauck,	Jr.
41. REMARKS (See attached ahe FIELD COMPLETION ADDITION		TIONS TO THE M	ANUSCRIPT	
	s (umished by th	e field complet		to the manuscript. The manu-
COMPILER			SUPERVISOR	261
Larry Lawrence Gra	was		Albert C. Rauck,	mer.y.
43. REMARKS		·	Albert U. Kauck,	Jr.
is more placed.				



T-12952

The Field Edit Report has been submitted with T-12953.

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REVIEW REPORT T-12952 SHORELINE February 13, 1967

61. GENERAL STATEMENT

See Summary accompanying Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

The only prior registered survey in this area is Registered Survey No. 4544a which contains the shoreline and the hydrography accomplished from August 1923 to October 1925.

It was noted during final review that the position of the reference station on Survey 4544a (EAST PT. L.H. "EAST") is given as latitude 18°19'622.9m, longitude 64°55'634.9m. The position in the List of G.P.'s for EAST POINT LIGHTHOUSE, 1900 is latitude 18°19'622.8m longitude 64°55'629.9m, This may possibly account for some of the differences in the shoreline and the position of rocks between the old and new survey.

This map supersedes the older survey for nautical chart construction purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

Comparison was made with U.S.G.S. CENTRAL ST. THOMAS, V. I. quadrangle, 1:24,000 scale, edition of 1955. The comparison was generally favorable considering the difference in the scale of the two surveys.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Comparison was made with a copy of boat sheet H-8877, 1:5,000 scale.

The shoreline on the boatsheet was taken from a copy of the Incomplete Manuscript and is not in agreement with that on the Advance Manuscript as many changes were made during the application of Field edit data and during final review. A copy of the manuscript containing all changes was provided to the Hydrographic Processing Unit, Atlantic Marine Center, for the smooth sheet.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with nautical chart 933, 1:10,000 scale, 8th edition, April 26, 1965, corrected through Notice to Mariners No. 39, September 25, 1965.

The following differences were noted:

A buoy at Sandy Pt. Rock, Latitude 18°19' 59", Longitude 64°56'55" has evidently been replaced with a daybeacon. See Form 567 for position.

A daybeacon on the chart at Latitude 18°20'lh", Longitude 64°56'22" is not shown on the boat sheet nor is it visible on photographs of the area.

All other differences and discrepancies have been noted on the comparison print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey complies with instructions and meets the National Standards of Map Accuracy.

Future surveys in the area should re-inspect the alongshore and offshore rocks and provide data for their correct mapping if any are found to be in error because of symbolization and/or positions.

Reviewed by:

Approved by:

J. Bull, RADM

Director, Atlantic Marine Center

Approved by:

Chief, Photogrammetric Branch ANA

hief, Photogrammetry Division

C&65 FOR

U.S. DEPARTMENT OF COMMERCE COAST AND GR. TIC SURVEY

NONFLOATING AIDS ORGENERATE FOR CHARTS STRIKE OUT TWO TO BE CHARTED ASC BROBBETTER NOW WE SERVICE THE

Atlantic Marine Center

June 10

I recommend that the following objects which have (harscone) been inspected from seaward to determine their value as landmarks be charted on (Macanachapana) the charts indicated.

L.L. Graves The positions given have been checked after listing by

J.Bull, Director, Atlantic Margha & Conter

					POSITION			SCHOOL SECTION			ARTS
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USCOMMEDC 16284-P61 This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted The data should be landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given. * TAESLATE SECONDS AND DETENS

C&GS FORM 567

U.S. DEPARTMENT OF COMMERCE COAST AND GEODEN SURVEY

NONFECATING AIDS OR LANDMARKS FOR CHARTS

ATLANTIC MARINE CENTER

July 20

99 61

I recommend that the following objects which have (have must) been inspected from seaward to determine their value as landmarks be charted on (delinedxfrom) the charts indicated. TOUBENDEMETER

STRIKE OUT TWO

TO BE CHARTED

The positions given have been checked after listing by

B.H. Barnes

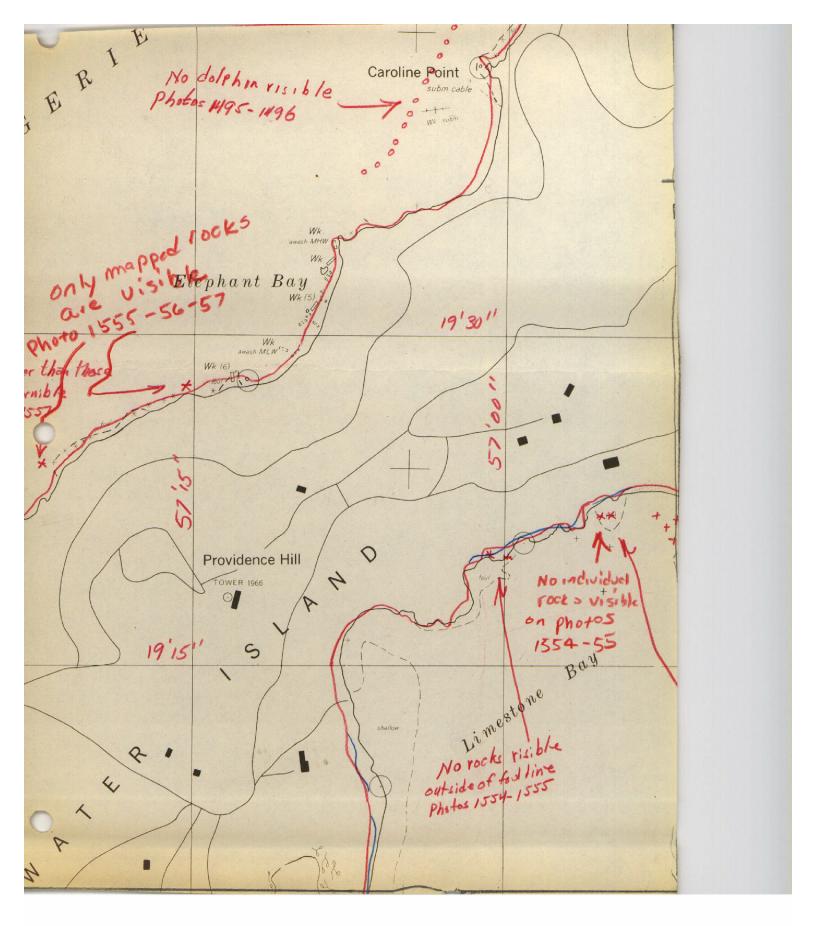
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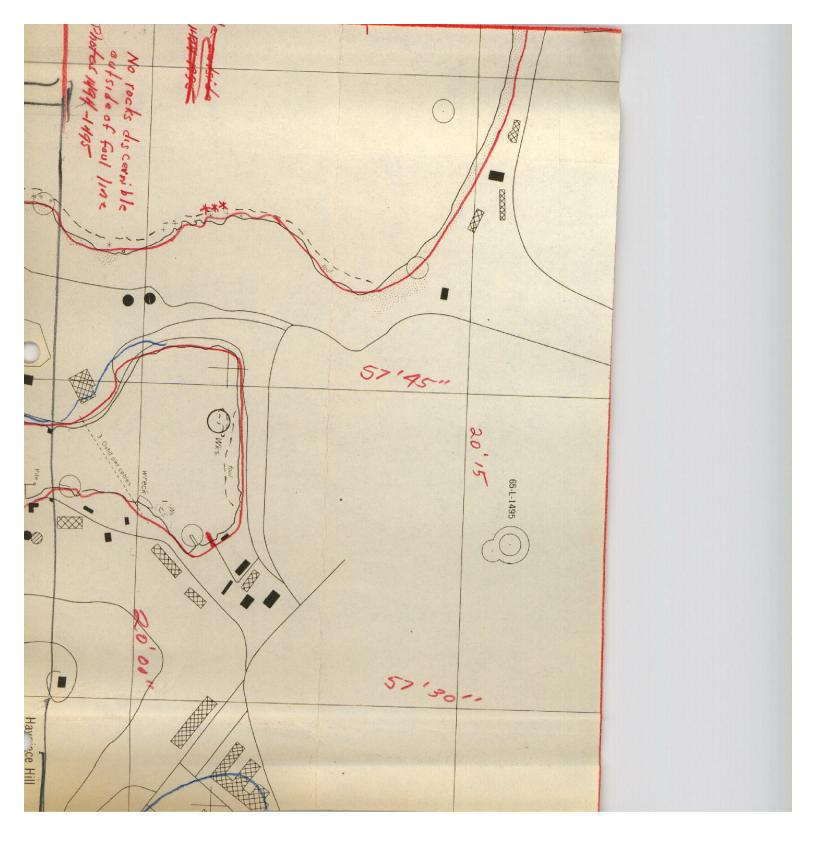
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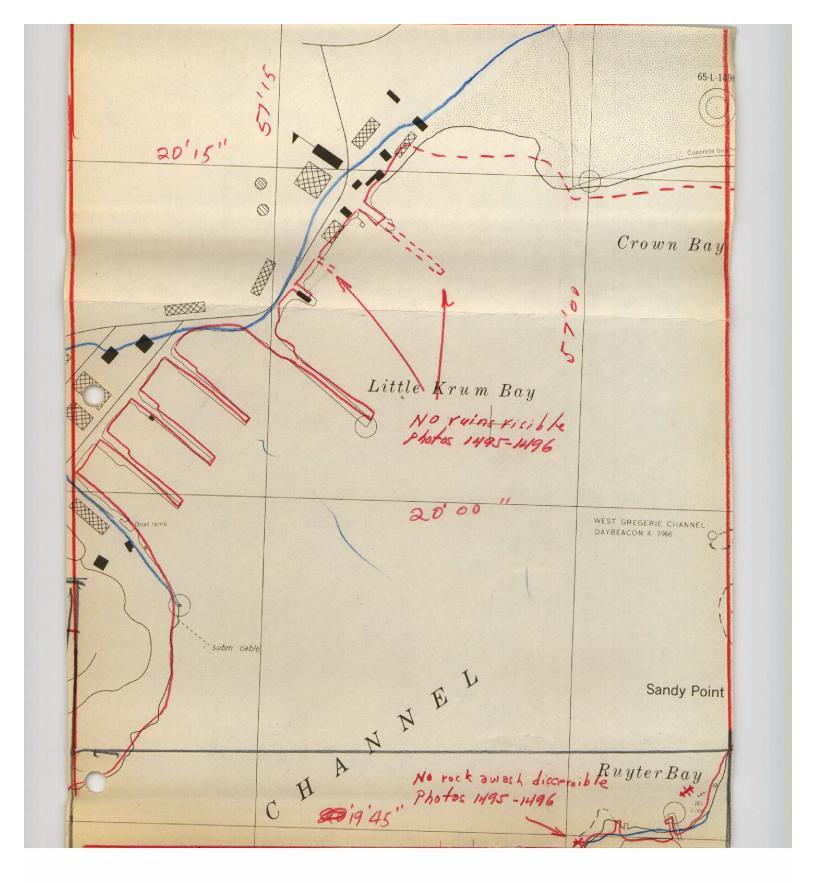
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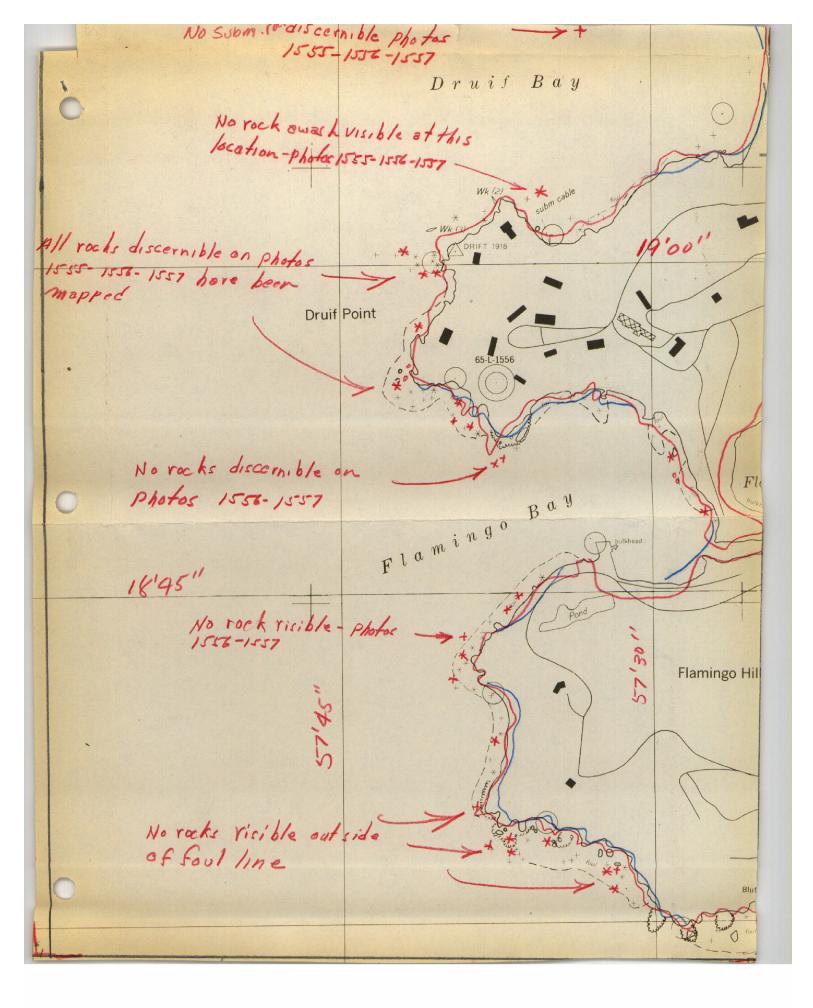
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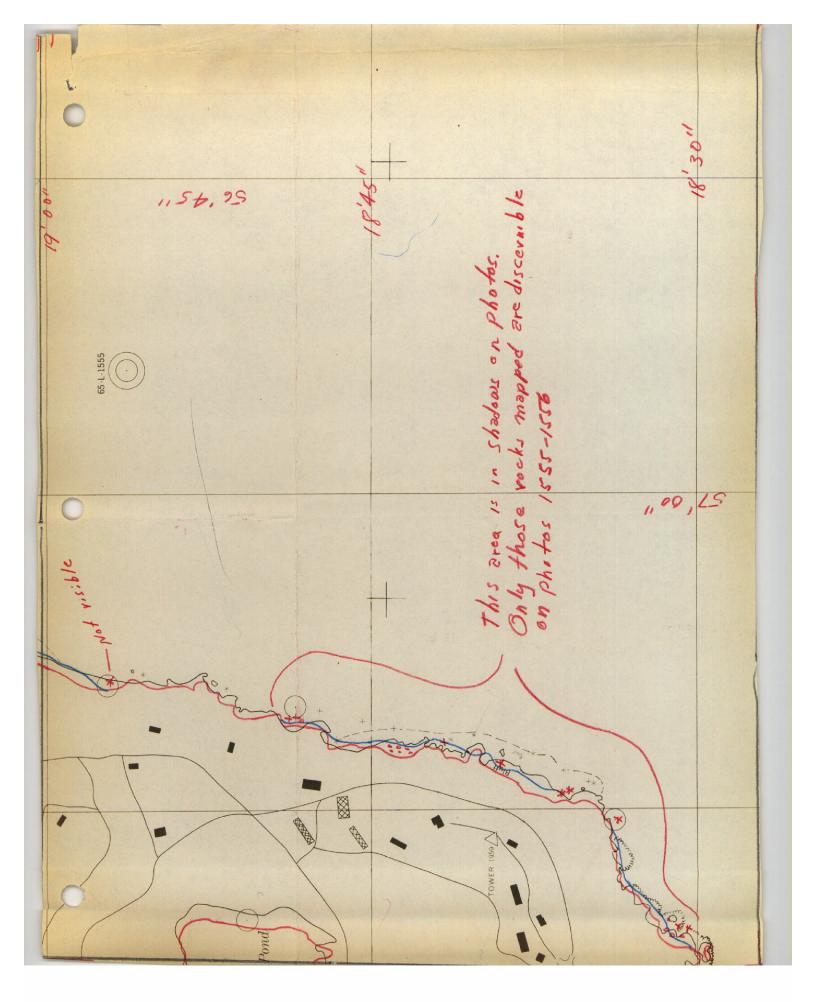
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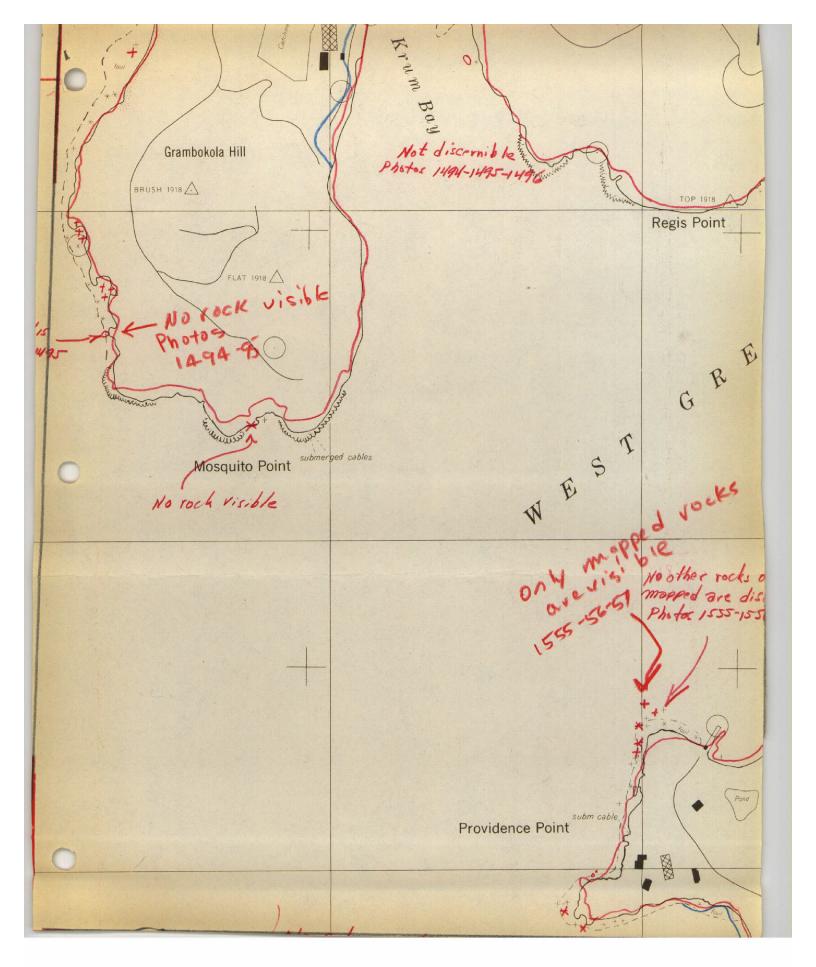


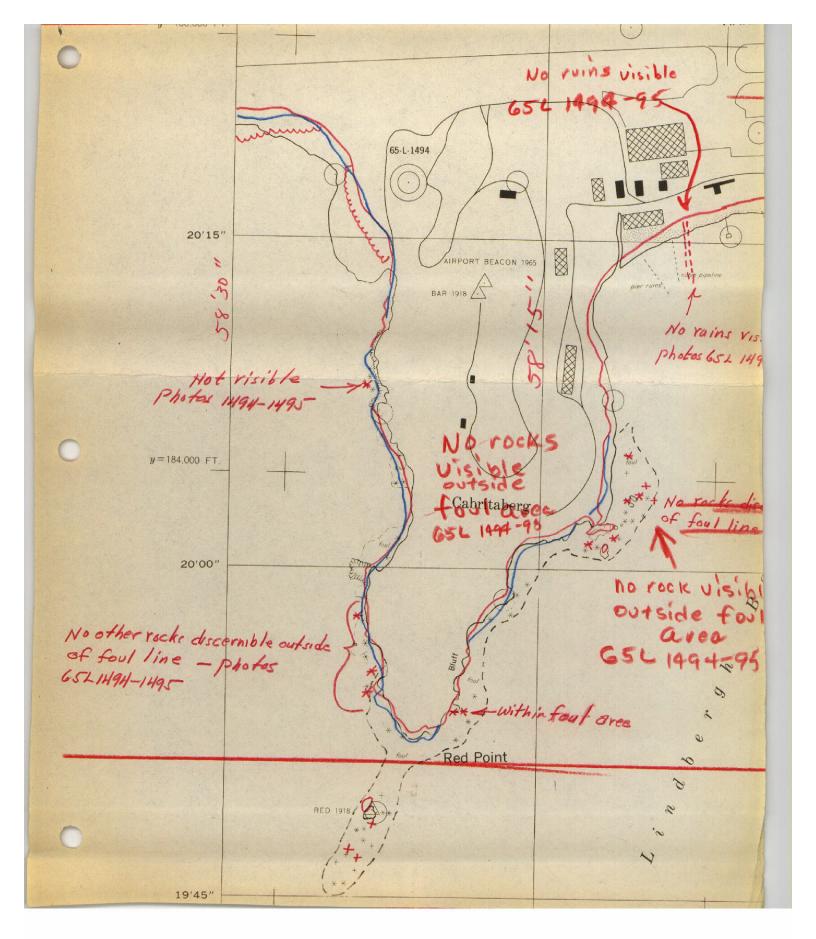


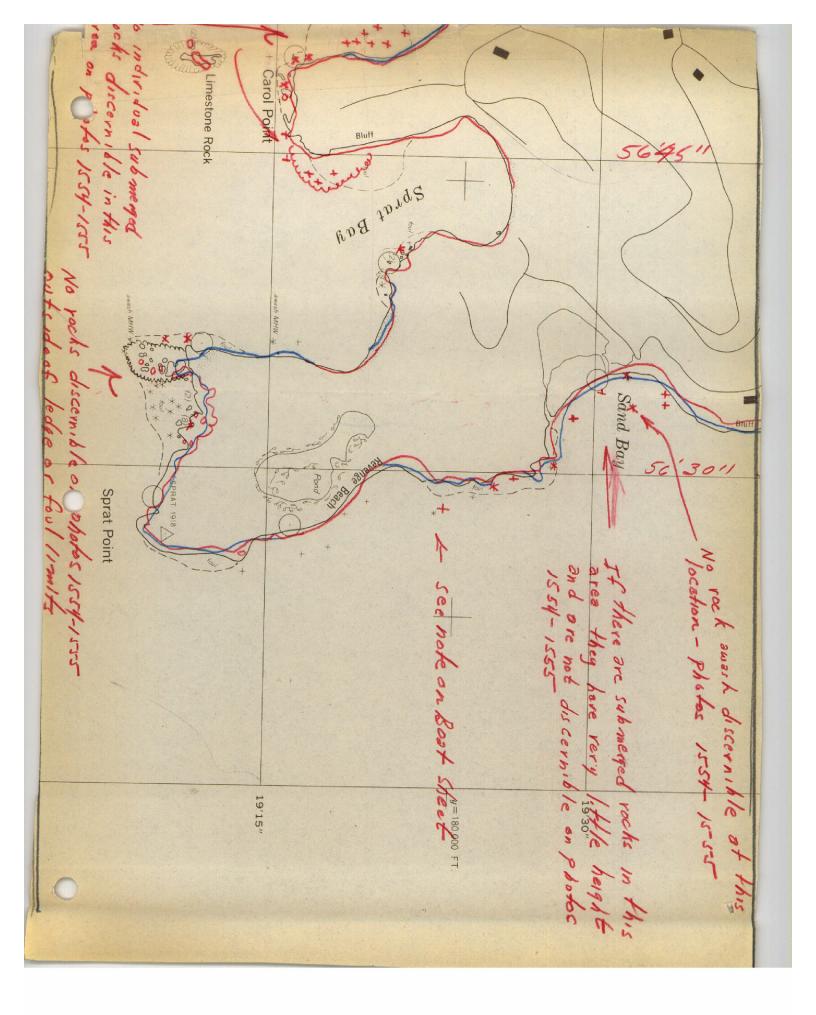


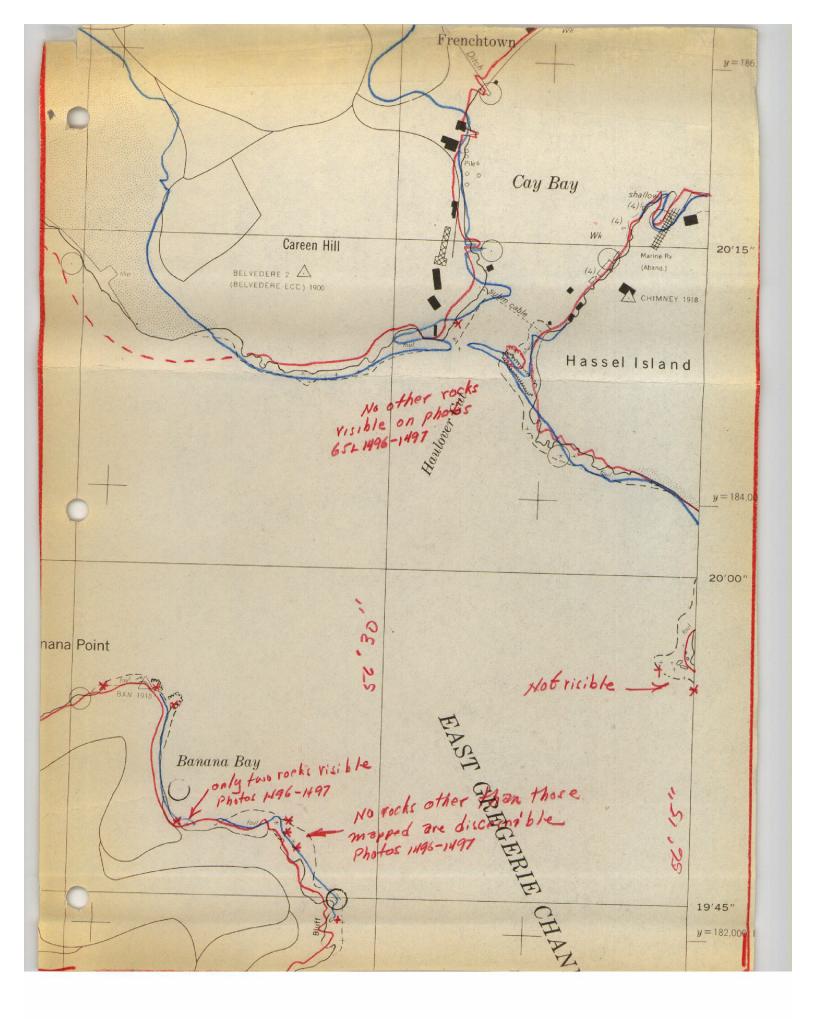












NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.

In "Remarks" column cross out words that do not apply.
 Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

-	ļ -			recommendations made under "Comparison with Charts" in the Review.
	CHART	DATE	CARTOGRAPHER	REMARKS
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	<u> </u>			V 0 11
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	(25650)			Drawing No. Sconsidered adequately appld flow 933
				HOLOGIVATEN RYPLO STA FIELD.
	905	11/6/74	R. Naito	Pull Part Belove After Verification Review Inspection Signed Via
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