## T-13371

ORIGINAL

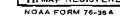
NGAA FORM 76-35 (3-76)
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY
DESCRIPTIVE REPORT
Map No. Edition No.
T-13371 1
<i>Job No.</i> РН-6904
Map Classification
Field Edited Map
Type of Survey Shoreline
LOCALITY
State Puerto Rico
<b>General Locality</b> South Coast
Locality Bahia De Jauca
19 <sup>70</sup> TO 19 <sup>75</sup>
OF OUTTON AN ARCHINET

\*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

DATE

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NOAA FORM 76-36A U. (3-72) NATIONAL OCI	S. DEPARTMENT OF COMMERCE EANIC AND ATMOSPHERIC ADMIN.	Т	YPE OF SURVEY	SURVEY	т <u>х</u> 1 <u>3371        </u>
		Ø	ORIGINAL	MAP EĎITI	on no. (1)
DESCRIPTIVE REPOR	RT - DATA RECORD		RESURVEY	MAP CLAS	s Final
		0	REVISED	JOB	рн. <u> 6904</u>
PHOTOGRAMMETRIC OFFICE		1	LAST PRECEED	ING MAP EDI	TION
Coastal Mapping Div	7.	7	YPE OF SURVEY		PH
Norfolk, Va.			ORIGINAL	MAP CLAS	5
OFFICER-IN-CHARGE			RESURVEY	SURVEY D	ATES:
Jeffrey G. Carlen			REVISED	19TO 1	9
I. INSTRUCTIONS DATED					
1. of	FICE	ļ	2.	FIELD	<del>-</del>
Compilation	October 16, 1970		pril 7, 1969 anuary 23, 1970	1	
		J.	anuary 31, 1972		
·		N	ovember 16, 197	2	
II. DATUMS					
1. HORIZONTAL:	1927 NORTH AMERICAN		ER (Specify)		
			erto Rico ER (Specify)		
	MEAN HIGH-WATER	JOIN	En (Specity)		
2. VERTICAL:	MEAN LOW-WATER MEAN LOWER LOW-WATER	1			
	MEAN SEA LEVEL				
3. MAP PROJECTION		1	4.	GR(D(S)	
		STAT	E	ZONE	
Polyconic			uerto Rico	1	
5. SCALE		STAT	E	ZONE	
1:10,000 III. HISTORY OF OFFICE OPERATION	ONS	<u> </u>		<u>.                                 </u>	
OPERA	Tions		NAME		DATE
1. AEROTRIANGULATION	ВҮ		. Kelly		Sept 1970
METHOD: Analytic	LANDMARKS AND AIDS BY	_	. Kelly		Sept 1970
2. CONTROL AND BRIDGE POINTS			. Dempsey		Oct 1970
METHOD: Coradomat	CHECKED BY		Dempsey		Oct 1970 Dec 1970
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY		. White . Neterer		Dec 1970
COMPILATION INSTRUMENT: Wild B-8	CHECKED BY		IA		Bee 1770
scale: 1:20,000	CHECKED BY		IA		<del>- </del>
4. MANUSCRIPT DELINEATION	PLANIMETRY BY		. Hinton & B.	Barge	Dec/70Jan/7
	CHECKED BY	E	3. Wilson		Jan 1971
METHOD:	CONTOURS BY		IA		
Smooth draited	<del></del>	_	IA		
1:10,000	HYDRO SUPPORT DATA BY	_	. Hinton-B. Ba	rge	Dec/70Jan/71
E OFFICE INSPECTION BRIDE TO	CHECKED BY		B. Wilson	<del></del>	Jan 1971 Jan 1971
5. OFFICE INSPECTION PRIOR TO	FIELD EDIT BY	_	B. Wilson  D. Butler		Nov 1975
6. APPLICATION OF FIELD EDIT E	DATA CHECKED BY		Margiotta		Dec 1975
7. COMPILATION SECTION REVIEW			. Margiotta		Dec 1975
8. FINAL REVIEW	ву		A. L. Shands		Dec 1977
9. DATA FORWARDED TO PHOTOG	RAMMETRIC BRANCH BY	1	A. L. Shands		Dec 1977
10. DATA EXAMINED IN PHOTOGRA	MMETRIC BRANCH BY		J. B. Phillips		Jan. 1978
11. MAP REGISTERED - COASTAL SE	URVEY SECTION BY		2. Ti Cathr		Max 1978



COMPILATION SOURCES  1. COMPILATION PHOTOGRAPHY CAMERA(S)	6B		NATIONAL OCEA		RTMENT OF COMMERCI		
INCOMPILATION PHOTOGRAPHY  CAMERIG):  WILD RC 8 "IE"  TOPES OF PHOTOGRAPHY  WILD STAGE REFERENCE  SPREIGHTED TIDES STATION RECORDS  PREFERENCE STATION RECORDS  TIME SCALE  STAGE OF TIDE  TOE CONTROLLED PHOTOGRAPHY  NUMBER AND TYPE  DATE  TIME  SCALE  STAGE OF TIDE  STAGE OF TIDE  TOE(C) 6189-6190  3/5/70  12:58  1:20,000  0.7 ft. above MLI  70E(C) 6183  3/5/70  12:50  1:20,000  0.7 ft. above MLI  70E(C) 6125-6127  3/5/70  10:47  1:40,000  0.5 ft. above MLI  O.5 ft. above MLI  TOE(C) 6125-6127  None compiled.  None compiled.			371		TIONAL OCEAN SURVE		
MILE RESERVE  WILD ROSE STATE STATION RECORDS TIDE CONTROLLED PHOTOGRAPHY  NUMBER AND TYPE  TOE(C) 6189-6190 70E(C) 6197 3/5/70 12:58 1:20,000 0.7 ft. above MLI 70E(C) 6183 3/5/70 12:50 11:20,000 0.8 ft. above MLI 70E(C) 6125-6127 3/5/70 10:47 10:47 1:40,000 0.6 ft. above MLI 70E(C) 6125-6127  TOE MINUL Was compiled from the above listed photographs.  REMARKS  2. SOURCE OF MEAN HIGH-WATER CINE:  None compiled.  None compiled.  A. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammaytric surveys informs survey winders are surveys that are sources for photogrammaytric surveys informs survey winders are sources for surveys informs are surveys		COMPILATIO	N SOURCES				
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CC   COLOR	11E11	''''		TIME			
REFERENCE STATION RECORDS THOSE CONTROLLED PHOTOGRAPHY  NUMBER AND TYPE  DATE  TIME  SCALE  STAGE OF TIDE  TOE(C) 6189-6190  3/5/70  12:58  1:20,000  0.7 ft. above MLI  70E(C) 6187  70E(C) 6183  3/5/70  12:50  1:20,000  0.8 ft. above MLI  70E(C) 6183  70E(C) 6125-6127  3/5/70  10:47  1:40,000  0.6 ft. above MLI  70E(C) 6125-6127  3/5/70  10:47  1:40,000  0.6 ft. above MLI  REMARKS  2. SOURCE OF MEAN HIGH-WATER LINE:  The MHWL was compiled from the above listed photographs.  REMARKS  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 photogrammagiric survey informal survey number and particles are photogrammagiric surveys informations and particles are particles and particles are photogrammagiric surveys informations are photogrammagiric surveys informations and particles are photogrammagiric surveys informatio	ERENCE	(5), 60	OB	ZONE			
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70E(C) 6197 70E(C) 6183 3/5/70 12:50 1:20,000 0.7 ft. above MLI 70E(C) 6125-6127 3/5/70 10:47 11:40,000 0.6 ft. above MLI 1:40,000 0.6 ft. above MLI 2: SOURCE OF MEAN HIGH-WATER LINE:  The MHWL was compiled from the above listed photographs.  3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:  None compiled.  A. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric aurvey informations survey None surveys That JUNCTIONS NORTH No survey  T-13370  SOUTH No survey  WEST T-13370  T-13372	AND TYPE	DATE TIM	SCALE	STA	AGE OF TIDE		
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No survey T-13370 No survey T-13372							
		1007	1	WEST	m 10070		
REMARKS	rvey T	-13370	No survey		T-133/2		
			_				
DAA FORM 76-36B	i B	· · · · · · · · · · · · · · · · · · ·					

I=72)		HISTORY OF FIELD	OPERATIONS	: AND AT	MOSPHERIC A NATIONAL	
FIELD INSP	ECTION OPERA	ATION FIEL	D EDIT OPERATION			
	OPE	RATION	NAN	4E		DATE
. CHIEF OF FIEL	DPARTY		T T1:1		_ "	D-1 107
			J. Wilson J. Wilson			Feb 1970 Feb 1970
. HORIZONTAL C	CNTROL	RECOVERED BY	None			TED IVA
, HOMPONIAL	ONTROL	PRE-MARKED OR IDENTIFIED BY	PBW			Feb 1970
		RECOVERED BY	NA			
. VERTICAL CON	TROL	ESTABLISHED BY	NA			
		PRE-MARKED OR IDENTIFIED BY	NA			
	RE	COVERED (Triangulation Stations) BY	None			
LANDMARKS AL	ND	LOCATED (Field Methods) BY	None			
AIDS TO NAVIG	ATTON	IDENTIFIED BY	None			
		TYPE OF INVESTIGATION			<b>1</b>	
GEOGRAPHIC N INVESTIGATION		COMPLETE				
111 E3   10 A   10	•	SPECIFIC NAMES ONLY				
		X NO INVESTIGATION	None	_ <del></del>	<del></del>	<del></del> _
PHOTO INSPEC		CLARIFICATION OF DETAILS BY	NA NA			
, BOUNDARIES A		SURVEYED OR IDENTIFIED BY	LIV			
HORIZONTAL C		TIFIED	2. VERTICAL CONTE	OL IDEN	TIFIED	
PHOTO NUMBER		STATION NAME	PHOTO NUMBER	sT	ATION DESIGN	NATION
70E(C)6126	BOCAMAR	1966				
3. PHOTO NUMBE	None	n of details)				
	None					
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER		OBJECT NA	
						-
5, GEOGRAPHIC I	NAMES:	REPORT A NONE	6. BOUNDARY AND I	IMITE:	REPORT	<u></u>
7. SUPPLEMENT	<u>_</u>	· <del></del>	Tar COMPANT AND	_imi ( 3;	NEPORT	Х пон
	None					
, OTHER FIELD	RECORDS (Ske	tch books, etc. DO NOT list data submi	tted to the Geodesy Divi	sion)		<u></u>
	1 Form 1	52				

<b> -</b>		HISTORY OF FIELD	UPERATIONS	
.1,	FIELD INSPECTION	OPERATION X FIELD	DEDIT OPERATION	
		OPERATION	NAME	DATE
1.	CHIEF OF FIELD PART	Y	R. Buffington	May 19
		RECOVERED BY	R. Buffington	May 19
2.	HORIZONTAL CONTRO	ESTABLISHED BY	None	
		PRE-MARKED OR IDENTIFIED BY	None	
		RECOVERED BY	NA	
3.	VERTICAL CONTROL	ESTABLISHED BY	NA NA	
<u> </u>		PRE-MARKED OR IDENTIFIED BY	NA P. Buffington	May 19
4.	LANDMARKS AND	RECOVERED (Triangulation Stations) BY	R. Buffington R. Buffington	May 19
"	AIDS TO NAVIGATION	LOCATED (Field Methods) BY  IDENTIFIED BY	None	ilay 17
┢		TYPE OF INVESTIGATION		
5.	GEOGRAPHIC NAMES	COMPLETE BY		
	INVESTIGATION	SPECIFIC NAMES ONLY		
<u> </u>		NO INVESTIGATION		
_	PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	R. Buffington	May 19
	BOUNDARIES AND LIM	TS SURVEYED OR IDENTIFIED BY	NA	
	SOURCE DATA HORIZONTAL CONTRO	L IDENTIFIED	2. VERTICAL CONTROL I	DENTIFIED
ľ	None	_	NA NA	
-	HOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3.	PHOTO NUMBERS (Clas	ification of details)	<u> </u>	
	70E(C)	6189 & 6190		,
4.	LANDMARKS AND AIDS	TO NAVIGATION IDENTIFIED		
L	None			
P	HOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
5.	GEOGRAPHIC NAMES:	REPORT X NONE	6. BOUNDARY AND LIMIT	S: REPORT XX NO
7.	SUPPLEMENTAL MAPS			
<u>L</u>	None			
8.		OS (Sketch books, etc. DO NOT list data submi.		
1	Field	Edit Ozalid 2 paper oza	lids with field no	tes

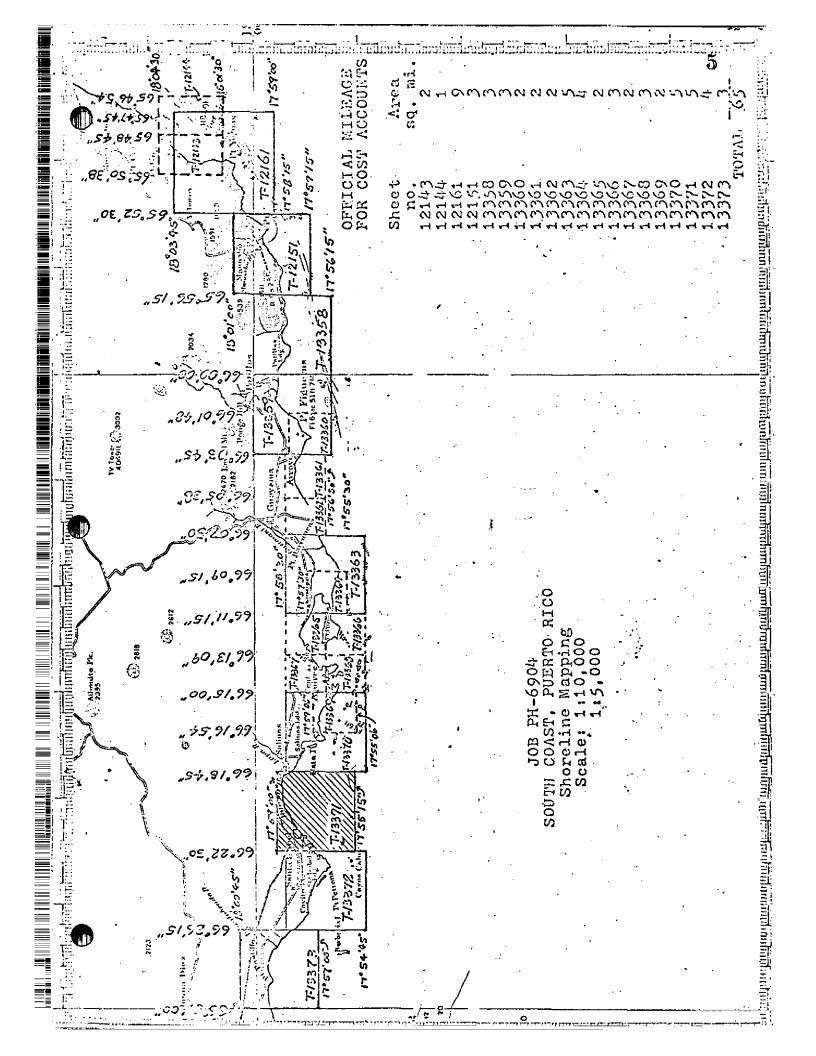
NOAA FORM 76-36D (3-72)

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

T-13371

#### RECORD OF SHRVEY HISE

			KECOF	CD OF SORVE	OJL .				
I. MANUSC	RIPT COPIES						,		
	COI	MPILA	TION STAGES				DATEMA	NUSCRIE	T FORWARDED
	DATA COMPILED		DATE	RE	MARKS		MARINE C	HARTS 1	HYDRO SUPPORT
-	ation complete g field edit.	Jai	n 1971	Class III	manuscri	ipt .	1/18/	71	1/18/71 12/29/71 1/2/75
	edit applied. ation complete.	Nov	z 1975	Class I m	anuscript	:	9/22/	76	
Final 1	Review	Dec	2 1977	Final			12/30	177	
	ARKS AND AIDS TO NAVIGA		MAUTICAL	DATA DRANCU					
). REP	ORTS TO MARINE CHART DI	VISION	,	DATA BRANCH					
NUMBER	CHART LETTER NUMBER ASSIGNED	FO	DATE RWARDED			REM	ARKS		
1		9/:	28/70	Landmarks	for char	rts			-
•									
								. <del></del>	
2.	REPORT TO MARINE CHART	DIVIS	ION, COAST	PILOT BRANCH.	DATE FORW	ARDED	Sept.	28, 19	970
3.	REPORT TO AERONAUTICA	LCHA	RT DIVISION	, AERONAUTICAL	DATA SECT	ION. D	ATE FORW	ARDED:	
III. FEDE	RAL RECORDS CENTER DAT	A						. –	
2. <u>xx</u>	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTA SOURCE DATA (except for G ACCOUNT FOR EXCEPTION	FICAT eograpi	ION CARDS;		S S SUBMIT	TED B	Y FIELD PA	RTIES.	
4	DATA TO FEDERAL RECOR	RDS CE	NTER. DAT	E FORWARDED:					
IV. SURV	EY EDITIONS (This section s	hall be	completed ea	ch time a new mag	edition is reg	gisterad	ý .		
	SURVEY NUMBER		JOB NUMBE				TYPE OF S		
SECOND		_ (2)	PH ·			RE		RES	JRVEY
EDITION	DATE OF PHOTOGRAPH	1Y	DATE OF FI	ELD EDIT	<b>□</b> n.	□ա.	MAP CL		FINAL
	SURVEY NUMBER		JOB NUMBE	R		_	TYPE OF S	_	
THIRD	TP -	_ (3)	PH			∐ RE	VISED	RES	JRVEY
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#### SUMMARY TO ACCOMPANY

#### DESCRIPTIVE REPORTS T-13363 THRU T-13371

The maps included in this summary are all standard shoreline maps which serve to provide current shoreline and alongshore features in support of contemporary hydrographic operations and for nautical chart construction. They cover the south coast of Puerto Rico from Punta Barrancas westward to Punta Aquila and includes all offshore islands.

Photographs of the area were flown in March, 1970. Coverage was adequate.

Field operations prior to compilation was limited to the recovery and identification of horizontal control for use in the bridging. No clearification of details was made at that time.

All maps were compiled at the Atlantic Marine Center using the Wild B-8 stereoplotter. Field edit was performed during the winter and summer of 1975. It was applied to the maps at the Atlantic Marine Center.

Final review was performed at the Atlantic Marine Center in November and December, 1977. All pertinent data was forwarded to the Washington Science Center for reproduction and final registration.

#### FIELD INSPECTION

T-13371

There was no field inspection prior to compilation.

7. 1

Aerotriangulation Report
PH-6904
South Coast of Puerto Rico
September 1970

#### 21. Area Covered

This report covers the Southern Coast of Puerto Rico, consisting of (9) 1:10,000 scale T-sheets, 12151, 12161, 13358, 13359, 13363, 13370 thru 13373 and (11) 1:5,000 scale T-sheets, 12143, 12144, 13360 thru 13362 and 13364 thru 13369.

#### 22. Method

Two strips 1:40,000 and one strip of 1:5,000 scale color photography were bridged by analytical methods to provide horizontal control points for compilation and shoreline points for ordering 1:10,000 and 1:5,000 scale ratio prints. The attached sketch of the strips bridged shows the placement of horizontal control points used in the strip adjustments. A list of closures to control is part of this report. Positions of all compilation points and control stations have been plotted on the manuscripts by the Coradi.

#### 23. Adequacy of Control

The horizontal control used is on the new adjustment of the Puerto Rico datum. All control was adequate and held well within the accuracy required by National Standards of Map Accuracy at 1:10,000 and 1:5,000 scales. The points were used to augment datum the between strips 1, 2 and 3.

#### 24. Supplemental Data

U. S. Geological Survey quadrangles were used to provide elevations for vertical adjustment of bridges.

#### 25. Photography

RC-8 E color photography was adequate as to coverage overlap and definition.

Submitted by

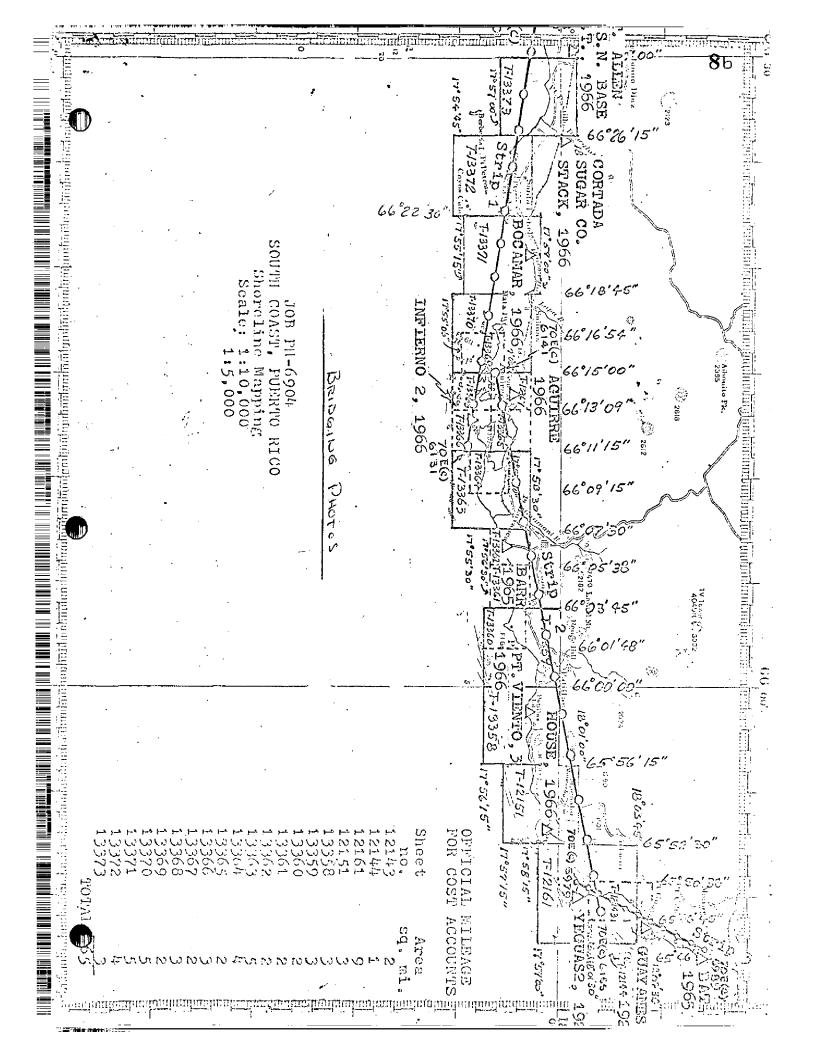
Robert B. Kelly

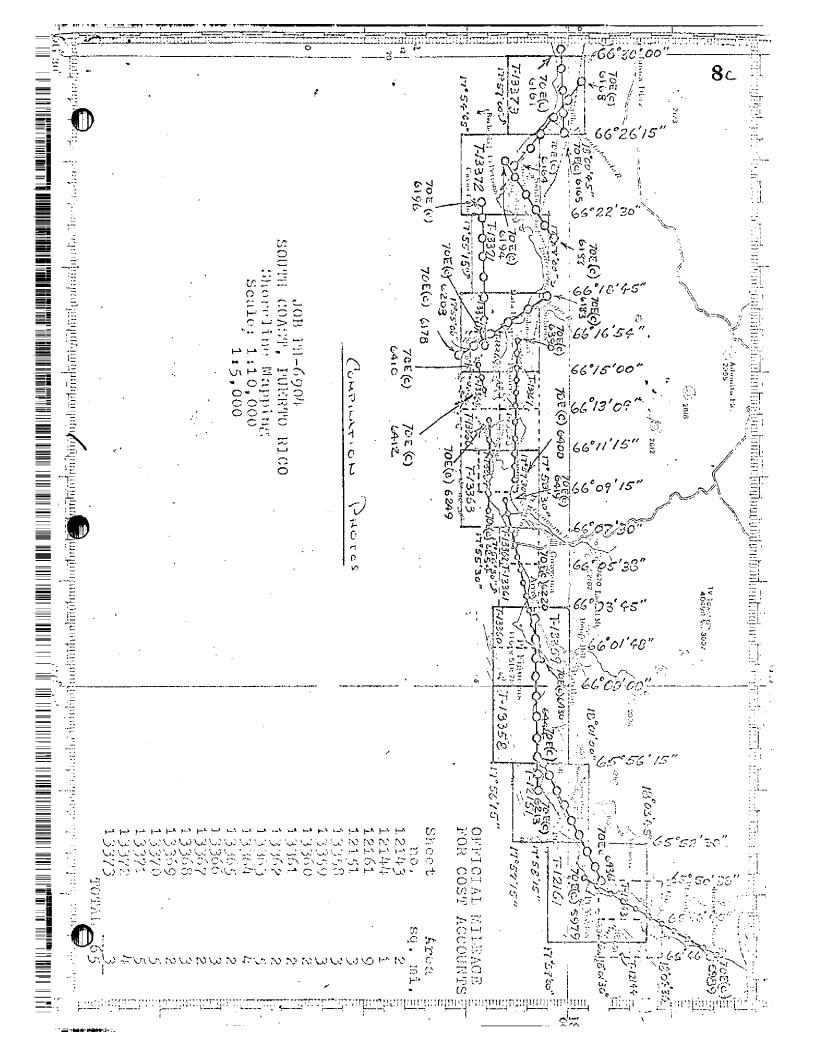
Approved and forwarded.

Henry P./Michert

Chief, Merctriangulation

Section





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(+1.1, -0.6)

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( ) CLOSURES OF BRIDGE TO CONTROL SHOWN

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

T-13371

#### 31. DELINEATION:

The Wild B-8 was used. Models were set using 1:40,000 scale photography. Points were selected common to the 1:20,000 scale photographs which were ratioed to 1:10,000.

The 1:40,000 scale photos were of very good quality, but the 1:20,000 scale photos were not of the best quality due to glare and/or darkness in some areas.

#### 32. CONTROL:

See the Aerotriangulation Report, dated September 1970.

#### 33. SUPPLEMENTAL DATA:

None.

#### 34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter.

#### 35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and alongshore details were delineated by the Wild B-8 stereoplotter.

#### 36. OFFSHORE DETAILS:

See Item 31.

#### 37. LANDMARKS AND AIDS:

Preliminary forms 76-40 for Landmarks and/or Aids were prepared by the Compilation Office and forwarded to the Field Editor and/or Hydrographer for verification, location, or deletion.

None.

#### 39. JUNCTIONS:

See the attached form 76-36B, item 5 of the Descriptive Report concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

#### 46. COMPARISON WITH EXISTING MAPS:

A comparison was made with U.S. Geological Survey Quadrangle: Salinas, Puerto Rico, scale 1:20,000, dated 1960.

#### 47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Charts 909, scale 1:20,000, 6th edition, dated June 27, 1970 and 926, scale 1:20,000, 3rd edition, dated November 11, 1968.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Mut C. Ranch Jr. For. B. L. Barge

Cartoraphic Tech.

January 6, 1970

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

October 11, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6904 (South Coast, Puerto Rico)

T-13371

Arenal

Arrecife Media Luna

Bahía de Jauca

Bahía de Rincón

Cayo Alfenique

Cayos de Caracoles

Hacienda Palés

Isla Puerca

Jauca

Mar Caribe

Playa de Jauca

Ponce Guayama (RR)

Punta Aguila

Río Jueyes

Río Nigua

Approved by:

Charles E. Harrington - Staff Geographer - C51x2

	PHO		RIC OFFICE REVIEW 0_13371	NATIONAL OCEAN SU	
1. PROJECTION AND GRIDS	ROJECTION AND GRIDS 2. TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE	
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5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER	ATIONS OF ACCURACY	6. RECOVER A OF LESS TH (Topographi	BLE HORIZONTAL STATIONS IAN THIRD-ORDER ACCURACY c stations)	7. PHOTO HYDRO STATIC	
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16. AIDS TO NAVIGATION	17. LANDMARI	<b>(</b> \$	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE	
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PHYSICAL FEATURES	. !	·	<u> </u>		
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONT	
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23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOUR	S IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES	
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CULTURAL FEATURES  27. ROADS	28. BUILDING		29. RAILROADS	20 07/150 0/1 7/101	
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36. DISCREPANCY OVERLAY	37. DESCRIPT	IVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS	
BW	BW	•	NA	BW	
40. REVIEWER	^		SUPERVISOR, REVIEW SECTIO	TINU 9/2 NO	
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B. Wilson 🔏	/14/71		A. C. Rauck,	J <b>p∕.</b>	
41. REMARKS (See attached sh					
42. Additions and correction	s furnished by t	he field comple	MANUSCRIPT tion survey have been applied t	to the manuscript. The ma	
script is now complete e	rcept as noted un	ider item 43.		<u> </u>	
D. Butler 11	/26/75		SUPERVISOR C. HOME	c/3. 0.	
Reviewer: F. M	argiotta	12/1/75	A. C. Rauck	, Jf.	
43. REMARKS O. C. HO	incrize.t	UK			

# FIELD EDIT REPORT JOB PH-6904 South Coast of Puerto Rico T-13363; T-13370 and T-13371

This report is submitted for three 1:10,000 scale maps. The Field Edit was accomplished during the winter season of 1975.

#### 52 ADEQUACY OF COMPILATION

The compilation is generally good; and after application of field edit corrections, additions, and deletions; compilation will be adequate.

#### 54. RECOMMENDATIONS

None.

#### 55. GEOGRAPHIC NAMES

No discrepancies were noted during Field Edit.

#### 56. SHORELINE AND ALONGSHORE FEATURES

Distances were measured to the mean high-water line at the specific areas called for on the field edit ozalid and are recorded on Contact Photo 70E6250.

#### 57. LANDMARKS AND AIDS

Form 76-40 was submitted for all nautical landmarks and fixed aids to navigation by Ship Mt. MITCHELL, see Transmittal Letter 58-75 SURV/mrm dated 30 May 1975 to DIRECTOR AMC ATTN: CAM 5.

#### 58. GENERAL STATEMENT

All field edit notes have been made in violet ink on the field edit sheet and ratio photographs.

Submitted 8/26/75

Robert S. Tibbetts
Surveying Technician

HYDROGRAPHIC PARTY

GEODETIC PARTY

PHOTO FIELD PARTY

COMPILATION ACTIVITY

FINAL REVIEWER

COAST PILOT BRANCH 14 (See reverse for responsible personnel) AFFECTED CHARTS 902 909 ORIGINATING ACTIVITY F-V-Vis. May, 1975 METHOD AND DATE OF LOCATION (See instructions on reverse side) FIELD 70E(C)6190 March 5,1970 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION UNIT Puerto Rico-South Coast | Nov. 1975 OFFICE been inspected from seaward to determine their value as landmarks.

SURVEY NUMBER

DATUM D.P. Meters 998.6 3.941 LONGITUDE Puerte Rico 21 99 o POSITION // D.M. Meters 30.599 910.7 LATITUDE 17 58 Puerto Rico ٥ DESCRIPTION (Record reason for defetion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses) (Pales, Sugarhouse Chimney A, Brick Stack, 1899) Ht.=76 T-13371 Coastal Mapping Div. 4.M.C. Norfolk, Va. REPORTING UNIT IF ield Party, Ship or Office) Ph-6904 JOB NUMBER Replaces C&GS Form 567. The following objects OPR PROJECT NO. TO BE REVISED TO BE DELETED 123 / NOAA FORM 76-40 (8-74) CHARTING NAME STACK



T-13371

SHORELINE

December 22, 1977

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

- 62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:
  Not applicable.
- 63. <u>COMPARISON WITH MAPS OF OTHER AGENCIES</u>:
  Not applicable.
- 64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Final Verified Smoothsheet H-9267 (MI-10-3-72). There are no significant differences.

65. COMPARISON WITH NAUTICAL CHARTS:

The map was compared with Chart 25687, 1:20,000 scale, 8th edition, dated March 1, 1975. There are no significant differences.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the project instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands

G. L. Shand

Final Reviewer

Approved for forwarding:

Joseph W. Vonasek Chief, Photogrammetric Branch

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.