Form 504

U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey Shoreline (Photogrammetric) Field No. Office No. T-13135
LOCALITY
State Puerto Rico
General locality Southwest Coast
Locality Bahia De Guayanilla
•
1966_G9
CHIEF OF PARTY
_

Alfred C. Holmes, Director, AMC

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

3-66)		U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATIO COAST AND GEODETIC SURVE
DESCRIPTIVE R	EPORT - DAT	
	T -13135	
DJECT NO. (II):		
PH-6708		
FIELD OFFICE (II):		CHIEF OF PARTY
None		1
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE
Atlantic Marine Center, Norfolk, VA		Alfred C. Holmes, Director
INSTRUCTIONS DATED (II) (III):		<u> </u>
OFFICE - Nov. 14, 19 OFFICE - SUPPLEMENT OFFICE AMENDMENT 1 -	1 - Nov. 4	1, 1968 9, 1968
Wild B-8 Plotter	Terresore.	ODIC DI OTTING INCOMENT SCALE (III).
Wild B-8 Plotter		OPIC PLOTTING INSTRUMENT SCALE (III):
MANUSCRIPT SCALE (III):	1:2,500	Pantographed To 1:5,000
Wild B-8 Plotter MANUSCRIPT SCALE (III): 1:5,000	1:2,500	OPIC PLOTTING INSTRUMENT SCALE (III):
Wild B-8 Plotter	1:2,500	Pantographed To 1:5,000
Wild B-8 Plotter MANUSCRIPT SCALE (III): 1:5,000 DATE RECEIVED IN WASHINGTON OFFICE (IV): APPLIED TO CHART NO. GEOGRAPHIC DATUM (III):	1:2,500	DATE REGISTERED (IV): DATE REGISTERED (IV): VERTICAL DATUM (III): MEAN HIGH WATER EXCEPT AS FOLLOWS:
Wild B-8 Plotter MANUSCRIPT SCALE (III): 1:5,000 DATE RECEIVED IN WASHINGTON OFFICE (IV):	1:2,500	DATE REGISTERED (IV): DATE REGISTERED (IV): VERTICAL DATUM (III): HTGH WATER

AN 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.

DESCRIPTIVE REPORT - DATA RECORD

T-13135

FIELD INSPECTION BY (II):		DATE:
None		
MEAN HIGH WATER LOCATION (III) (STATE DATE	AND METHOD OF LOCATION):	
Air Photo Compilation - Da	te of Photography - Nov. 15, 16,	1966
PROJECTION AND GRIDS RULED BY (IV):		DATE
A. Bethea		Oct. 10, 1968
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
L. F. Van Scoy		Oct. 14, 1968
CONTROL PLOTTED BY (III):		DATE
Aerotriangulation Points:	- J. Steinberg	Nov. 8, 1968
Triangulation Stations: - :		, ====
		DATE
CONTROL CHECKED BY (III):		DATE
Aerotriangulation Points: Triangulation Stations: -		Nov. 8, 1968
TITALIGATACION SCACIONS.	Holle	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXT	ENSION BY (III):	DATE
I. I. Saperstein		Oct. 31, 1967
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY By: R. White	DATE Dec. 12,1968
Wild B-8	Reviewed By: A. Shands	Dec. 12,1968
	CONTOURS	DATE
	Inapplicable	
MANUSCRIPT DELINEATED BY (III):		DATE
R. White		J an. 24, 1969
SCRIBING BY (III):		DATE
W. Gilbert		7/11/72
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):	Compilation: C.H. Bishop	DATE Jan. 24, 1969
Scri	Field Edit: L.O. Neterer bing and Stick Up: F. Margiotta	Jr. 3/18/69 7/72 - 8/72
REMARKS:		
Field	Edit By: - R. E. Kesselring	DATE: Feb. 1969
I Tela	ward by . In the 10000chilling	100. 100

DESCRIPTIVE REPORT - DATA RECORD

T-13135

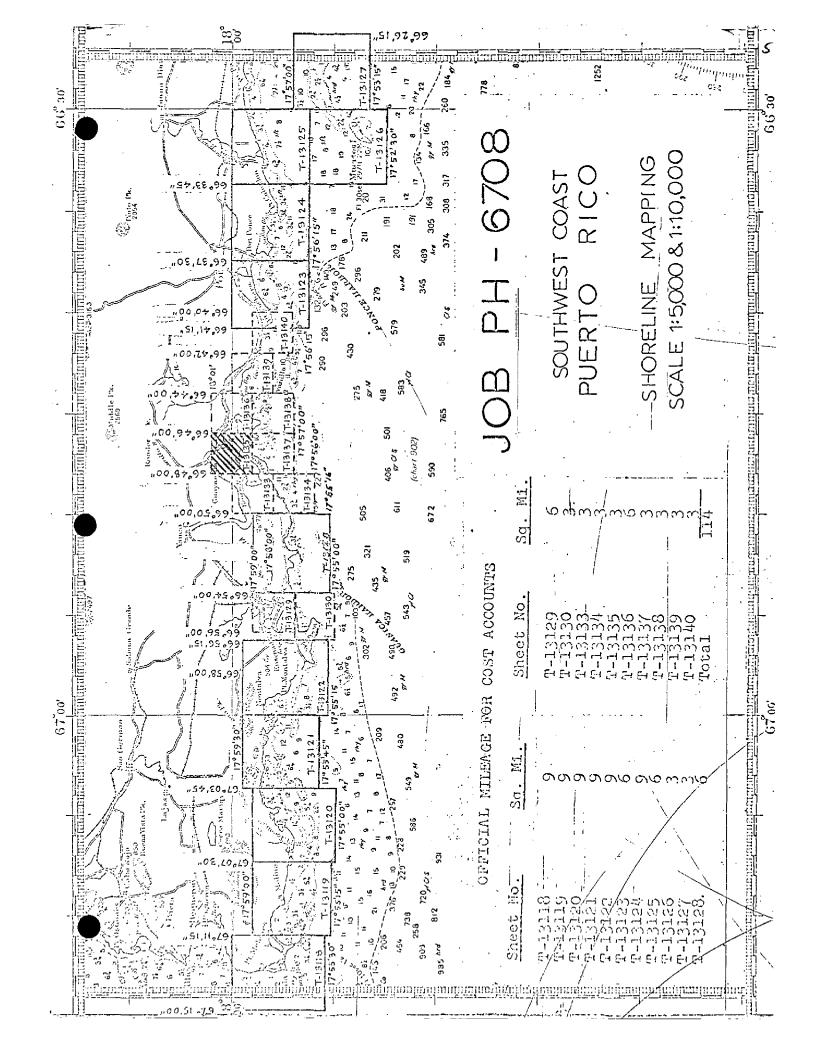
MERA (KIND OR SOURCE) (III):

U.S.C.&G.S. Types "L" & "M" Wild RC-8 & RC-9

	PH	OTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	S.	TAGE OF TI	DE
66 -L- 8482 ttr u 66 -L-8 8 4 70-E-6055 and 70-E6056	Nov. 16,1966 Mar. 5,1970	0900 0924	1:15,000	0.50 a	bove MI	W.
	PREDICT			RATIO OF	MEAN	DIURNA
				RANGES	RANGE	RANGE
Reference Station: Galve	ston, Texas					1.4
SUBORDINATE STATION: Playa	De Ponce, P.	R.		0. 57		0.4
SUBORDINATE STATION:	<u> </u>					
WASHINGTON OFFICE REVIEW BY	(IV):			DATE:		<u>!</u>
WASHINGTON OFFICE REVIEW BY	Bernard Ku	rs, AMC		Jan. 3	L9 / 3	
TROOF EDIT BY (IV).	····	<u></u>	DECOVERED.	IDENTIFIE		
NUMBER OF TRIANGULATION STA	TIONS SEARCHED FOR	(m): None	RECOVERED: None	IDENTIFIE Nor	ie	
NUMBER OF BM(S) SEARCHED FOR	t (II) :	None	RECOVERED: None	IDENTIFIE Nor	ie ie	
NUMBER OF RECOVERABLE PHOT	O STATIONS ESTABLE	SHED (III):	None			
NUMBER OF TEMPORARY PHOTO	TYDRO STATIONS EST	ABLISHED (III):	None	,		
REMARKS:			"			
	1					
•						

T-13135

COMPILATION RECORD	COMPLETION DATE	REMARKS
Alongshore Area For Hydro.	Jan. 1969	Superseded
Field Edit Applied. Changes Made From Photography of May 1969 and March 1970	April 6, 1971	Superseded
Final Review	Jan. 1973	·



SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORT

T-13135

Shoreline survey T-13135 is one of twenty-one similar surveys in project PH-6708. The project is on the south shore of Puerto Rico and extends from Cabo Rojo to Cayo Berberia. This survey covers the northwestern section of the Bahia De Guanilla.

There was no field work prior to the compilation of this manuscript.

Compilation was by B-8 plotter using November, 1966 photography at 1:5,000 scale. (see item 31 of compilation report) A copy of the incomplete manuscript along with ozalids and specially prepared photographs were furnished for the preparation of the boat sheet, location of photo-hydro signals and field edit use.

The manuscript was a vinylite sheet 20minutes latitude by 2 minutes longitude. After field edit was applied, 1970 photography was utilized to make minor changes at the mouth of the Rio Guanilla, (an area subject to frequent changes), the manuscript was scribed, stuck-up and reproduced on cronaflex. Final Review was at AMC in January, 1973. One cronaflex and negative of the final reviewed survey are forwarded for record and registry.

FIELD INSPECTION REPORT PH-6708 T-13135

There was no field inspection prior to compilation.

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PHOTOGRAMMETRIC PLOT REPORT Job PH-6708 Puerto Rico

October 31, 1967

21. Area Covered

This report covers the southwest part of Puerto Rico, consisting of eight (8) 1:10,000 scale T-sheets, T-13118 thru T-13125, and thirteen (13) 1:5,000 scale T-sheets, T-13128 thru T-13140. Photography covering sheets T-13126 and T-13127 was not bridged at this time due to lack of control.

22. Method

Analytic aerotriangulation methods were used to bridge Strip 1, 1:60,000 scale color diapositives, using premarked and office identified control. Numerous tie points were located to control the compilation photography. Strips 3, 5, 5A, 6, 7 and 8 were bridged by analytic methods. Strips 2 and 4 were bridged by stereoplanigraph in order to facilitate the work.

The attached sketch of the strips bridged shows the placement of triangulation used in the final strip adjustment. Closures to control are shown for each strip on the IBM readout, along with all bridge points on Puerto Rico plane coordinates.

23. Adequacy of Control

Horizontal control is adequate to control Strip 1. All other strips were bridged using tie points and horizontal control and is adequate.

The premarked paneling at station PAGEN was removed prior to photography and the subpoint could not be identified. It was decided, therefore, to end Strip 1 with photo 66-M-625 and Strip 6 with photo 66-L-8433. However, it is believed that sheet T-13125 can be adequately compiled.

Station GUANICA L.H. 1900 does not have a valid position. Geodesy did not tie to this station during the 1966 work, and no adjustment was made to the new Puerto Rico datum. (Station has been reported destroyed.) The positions shown on Form 725d computed by Geodesy is arbitrary. Therefore, GUANICA L.H. Subpoint 1 and subpoint 2 are unreliable and were not held in the bridge.

It is to be noted that all horizontal control used on this job and the final pass point positions are on the new Puerto Rico Datum. A Xerox copy of triangulation station positions issued by Geodesy is submitted to the Compilation office with this job. Previously published GP's and plane coordinates should not be used for plotting.

24. <u>Supplemental Data</u>

Vertical control needed for the adjustment was taken from USGS quadrangles.

25. Photography

The definition and quality of the RC-9 "M" and RC-8 "L" color photography was fair and good respectively. Smoke covers parts of some photographs on Strips 3 and 5A, but should not hinder compilation of the shoreline.

Although sheets T-13137 thru T-13140 are covered by 1:15,000 scale photographs, these photographs were not bridged, nor can they be used for compilation on the plotter because of water areas. Strip 3, therefore, should be used to compile the above sheets.

Ratio prints have been ordered for the 1:30,000 and 1:15,000 scale photographs to compilation scale, on black and white base.

Several points were transferred to ratio print 66-L-8394 in order that a reef on T-13140 may be compiled graphically.

Respectfully submitted

I. I. Saperstein

Approved and Forwarded

Henry P. Eichert, Chief

Aerotriangulation Section

T-13121 66/18427 664 8334 <u>49</u> 7-13123 T-13124 T-13125 T-13126

3. ENSCHADA, SOUTH A.R. SUGAR CO 2. CERRO VERTERO 1. CAEO ROSO (USAF) 1966

CENT GUANICA WEST & EAST

W. 7. 1966

4. VAQUERO, 1900

5. TURN 2, 1966

6. GUAYANILLA, UNION CARBIDE CO. W.T. 1966

B. PONCE, RADIO STATION WELD MAST, 1966 PONCEBAY FRONT ; ERCAR RANGE LTS. 1966

10. PONCE, DON Q RUM CO. STACK, 1966 GUANICA RANGE FRONT

AEROTRIANGULATION

PUERTO RICO Southwest Coast

PH-6708 Oct. 1967

LEGEND

U.S. DEPARTMENT OF COMMERCE ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION COAST AND GEODENC SURVEY

DESCRIPTIVE REPORT CONTROL RECORD
_

FORM C&GS-164 (4-68) USCOMM-DC 50318-P68

// DISTANCE FROM GRID OR PROJECTION LINE IN METERS ($I\ PL=3048006\ meters$) (BACK) (1173.8)(1236.6)N.A. 1927 - DATUM 12/20/72 None SCALE FACTOR 2515.4 FORWARD 2293.4 DATE (586,9) (618.3) LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE CHECKED BY C.H. Bishop SCALE OF MAP 1:5,000 1257.7 1146.7 18-00-66-47-DATUM Puerto Rico At this time, it is believed to be an uncorrected DATE 12/20/72 field position. The Datum is also unknown. SOURCE OF INFORMATION PH-6708 Form CEGS 567, 1969 (NDEX) The source of this position is C&GS 567 PROJECT NO. "Guanilla, Central Refinery, Stack, 1969 COMPUTED BY Bernard Kurs *Use With Caution STATION MAP T- 13135

COMPILATION REPORT

PH-6708

T-13135

31. DELINEATION

Refer to Photogrammetric Plot Report - Job PH-6708, Puerto Rico, dated Oct. 31, 1967. Specifically Item 25 - Photography, Paragraph 2.

In order to use Strip 3 to compile T-13137 thru T-13140, it was necessary to plot controls and compile on worksheets at 1:6,000 scale and photographically enlarge to 1:5,000 scale (see Amendment I to office instructions, dated Dec. 9, 1968).

The enlargement ratio required to compile at 1:5,000 scale from 1:30,000 scale bridge strip 3 with the B-8 plotter was not possible. It was, therefore considered more expedient to compile T-13135 thru T-13140 at 1:6,000 scale, drop shoreline pass points common to both the 1:15,000 photos and the 1:30,000 models, and then enlarge photographically to 1:5,000 scale, at a ratio of 1=1.2.

This enlargement was then transferred to the 1:5,000 manuscripts and the 1:5,000 scale ratio prints processed for hydro. support data.

The use of the 1:30,000 scale models from strip 3, enabled the compiler to adequately cover all inshore areas and much of the offshore areas of shoal, coral reefs, small islands and etc., which would not have been possible with the 1:15,000 offshore photos which were not bridged.

The alongshore and shoreline features of the mainland were further refined with the models set utilizing the 1:15,000 scale inshore plates: - 66L(c) 8475 thru 8484.

32. CONTROL

See Photogrammetric Plot Report dated October 31, 1967.

33. SUPPLEMENTAL DATA

None

34. CONTOURS AND DRAINAGE

Inapplicable

35. SHORELINE AND ALONGSHORE DETAILS

See Paragraph 31. No low water line was delineated. All details were compiled from office interpretation of the photographs.

36. OFFSHORE DETAILS

No statement.

37. LANDMARKS AND AIDS

None

38. CONTROL FOR FUTURE SURVEYS

No recoverable topographic or photo hydro stations have been shown; however, a sufficient number of shoreline pass points have been shown as an aid for the Hydrographer in establishing hydrographic signals.

39. JUNCTIONS

Junctions are in agreement with T-13136 to the East, T-13137 to the South, and T-13133 to the West, South of latitude $18^{\circ}00'00''$, all of which are 1:5,000 scale. There is no contemporary survey to the North and the West North of latitude $18^{\circ}00'00''$.

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

A comparison has been made with USGS Quadrangle PUNTA VERRACO, PR, scale 1:20,000 dated 1958.

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47. COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with USC&GS Chart 928, BAHTA DE GUAYANILIA, scale 1:10,000, 5th edition, dated October 18, 1965.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None

ITEMS TO BE CARRIED FORWARD

None

Submitted:

Richard R. White Cartographic Aid

Approved:

Alfred C. Holmes, RADM, NOAA

Director, Atlantic Marine Center

December 11, 1972

GEOGRAPHIC NAMES

FINAL NAME SHEETS

Ph-6708 (Puerto Rico)

TP-13135

Bahia de Guayanilla

Playa de Guayanilla

Puerto de Guayanilla

Punta Verraco

Rio Guayanilla

Approved:

A. Joseph Wraight Chief Geographer Prepared by:

Charles E. Harringto

Cartographer

49. NOTES FOR THE HYDROGRAPHER:

FORM C&GS-1002			U	S. DEPARTMENT OF COMMERCE
(4-20)	РНО	TOGRAMMET	RIC OFFICE REVIEW	COAST AND GEODETIC SURVEY
	,		13135	• ,
1. PROJECTION AND GRIDS	2 TITLE		13. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
I. PROJECTION AND GRIDS				
CHB	CHB		СНВ	СНВ
CONTROL STATIONS			······································	· · · · · · · · · · · · · · · · · · ·
5. HORIZONTAL CONTROL STA THIRD-ORDER OR HIGHER A	ATIONS OF CCURACY	6. RECOVER AE	AN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
None		(Topographic	XX	xx
8. BENCH MARKS	9. PLOTTING	F SEXTANT	10. PHOTOGRAMMETRIC	11. DETAIL POINTS
χ	FIXES R.J	.P.	PLOT REPORT	СНВ
ALONGSHORE AREAS (Nautical	Chest Date)		L.,,	<u> </u>
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15, BRIDGES
,				0777
CHB	CHB		CHB	СНВ
16. AIDS TO NAVIGATION	17. LANDMARK	(5	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
R.J.P.	R.J	.P.	СНВ	
PHYSICAL FEATURES	******		<u>* </u>	
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
OFTE			СНВ	XX
CHB 23. STEREOSCOPIC	24. CONTOURS	IN CENERAL	25. SPOT ELEVATIONS	
INSTRUMENT CONTOURS		III GENERAL		26 OTHER PHYSICAL FEATURES
XX	<u> </u>		XX	<u> </u>
CULTURAL FEATURES 27. ROADS	28. BUILDINGS		29. RAILROADS	120 OTHER CHI TURAL
274 ROADS	20. BUILDINGS	•	27. RAILROADS	30. OTHER CULTURAL FEATURES
СНВ	CHB	5	СНВ	СНВ
BOUNDARIES 31. BOUNDARY LINES				
XX			32. PUBLIC LAND LINES	
				
MISCELLANEOUS 33. GEOGRAPHIC NAMES	.	34. JUNCTIONS	3	35. LEGIBILITY OF THE MANUSCRIPT
R.J.P.			R.J.P.	CHB
36. DISCREPANCY OVERLAY	37, DESCRIPTI	VE REPORT		39. FORMS
			38. FIELD INSPECTION PHOTOGRAPHS	
CHB	R.J	.P.	R.J.P.	R.J.P.
40. REVIEWER			SUPERVISOR, BEVIEW SECTION	ON OR UNIT
Charles H. Bishop	1	./24/69	Albert C. Rauck,	Jr.
41. REMARKS (See attached shee	ot)			
FIELD COMPLETION ADDITION	IS AND CORRECT	TIONS TO THE M	ANUSCRIPT	
42. Additions and corrections script is now complete exc	furnished by the	e field complet. der item 43.	ion survey have been applied t	to the manuscript. The manu-
COMPILER L. O. Neter	er, Jr. M	larch 19 69	SUPERVISOR	C. Ranok. In.
Reviewed By: R.J.			Albert C. Rauck,	Jr.
43. REMARKS				
Field Edit Applie			Ozalid and Photog	
			thru 8484 & 66-L-8	
			Corrections From :	
	rr	iotos: /U-	E-6055 & 70-E-6056	. 1/4U = 1 .

FIELD EDIT REPORT
SOUTHWEST COAST OF PUERTO RICO
JOB PH-6708
MAP T-13135

52. ADEQUACY OF COMPILATION

Compilation was adequate. Interior detail was, perhaps, not carried far enough, but alongshore and offshore features were, in most cases, correctly delineated. In the vicinity of Playa de Guayanilla, several ditches are shown as tidal, when in reality they are intermittent drainage. The mouth of Rio de Guayanilla has undergone considerable change since photography but this was natural change and not a result of inadequate compilation. A large mangrove area and a "floods" area were also omitted, as were a few small ponds, and three piers in ruins. Two new piers were added to the map.

54. RECOMMENDATIONS

None.

55. EXAMINATION OF PROOF COPY

Sr. Oscar Padilla, Urb. Estella Box 28, Guayanilla, Puerto Rico, will be happy to examine a proof copy of the map. Sr. Padilla is the senior harbor pilot of Bahia de Guayanilla.

56. GEOGRAPHIS NAMES

All authorities consulted agree that all the names on this map are correct and in current local use. One additional name is recommended: EL FARO at 66° 47.1, 18° 00.0. It applies to a small fishing village. The name is shown on the U.S.G.S. quadrangle YAUCO, P.R. and is agreed upon by all the below listed authorities.

Authorities consulted are listed below.

I. Sr. Oscar Padilla Urb. Estella Box 28 Guayanilla, Puerto Rico

Sr. Padilla is the senior harbor pilot of Bahia de Guayanilla and has been a resident for 64 years.

II. Sr. Gilberto Castro Pérez Bo Playa Guayanilla, Puerto Rico Sr. Castro is a boat operator and has been a local resident for nine years.

III. Sr. Daniel Santiago Bo Playa Guayanilla, Puerto Rico

Sr. Santiago is a harbor pilot and has been a local resident for three years. He is retired from the U.S. Merchant Service.

IV. Sr. Faustino Allongo R.F.D. 2 639 H Ponce, Puerto Rico

Sr. Allongo is a contractor and has been a local resident and fisherman for twenty years.

V. Sr. Ramon Torres Echevarria Ext. Mariani A-110 Ponce, Puerto Rico

Sr. Torres is a mechanical engineer and prominent local sports fisherman. He has been a resident for 36 years.

The harbor pilots mentioned above are licensed by the Puerto Rican Pilot Service.

57. LANDMARKS AND NONFLOATING AIDS TO NAVIGATION

There are no fixed aids to navigation within the limits of this map. One landmark was recommended for charting and one was deleted. These were reported on Form 567 and Form 152 and forwarded with field edit data.

58. ROCKS, REEFS, SHOALS AND FOUL AREAS

A few bare rocks were overlooked in the vicinity of Punta Verraco. Shoals were adequately compiled and a few typical depths were given by the field editor where practicable. There are no reefs or foul areas on this map.

The ledge shown on the current edition of chart 928 could not be discerned. There is a shallow area in the vicinity, from 1.0 to 3.0 feet deep, extending from approx. 66° 47.0 to 66° 47.7. This area has a hard bottom but is covered with a layer of silt and grass. It does not uncover at the sounding datum.

59. PHOTOGRAPHY

Photography consisted of 1:5000 Pratio matte prints and 1:15,000 and 1:30,000 color contact prints. Photo-

graphy adequately permitted clarification of details not mapped and allowed confirmation of the compilation.

60. DISPOSITION OF DATA

All data was forwarded to the Photo Branch, Atlantic Marine Center. Copies of the Field Edit, Form567's and Form 526's were transmitted to the ship Whiting.

Richard E. Kesselring Surveying Technician

REVIEW REPORT

SHORELINE

T-13135

61. GENERAL STATEMENT

See summary which is page 6 of the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS

A visual comparison was made with a copy of registered survey No. 2468, 1:20,000 scale dated 1900. There is general agreement between the two surveys.

Registered survey No. 2468 is superseded by T-13135 for nautical charting purposes.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A visual comparison was made with USGS Punta Verraco, PR, and Yanco, PR both dated 1958 and at 1:20,000 scale. The shoreline on the quadrangles is generalized but seems to be in agreement with this survey. There are no reefs on this survey and the shoal areas appear to be in agreement.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with H-9031, 15,000, sounding overlay No. 2 dated 11/1/72. Since the shoreline was taken from the advance manuscript, there are no differences.

65. COMPARISON WITH NAUTICAL CHARTS

Comparison was made with Chart 928, March \$, 1972 at 1:10,000 scale. The chart is in general agreement except where man made and natural change would occur. Differences are noted on the comparison print in red.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This survey meets project instructions and appears to meet the National Standards of Map Accuracy.

Reviewed by:

Bernard Kurs Cartographer

Approved for forwarding:

Melvin J. Umbach, CDR, NOAA Chief, Coastal Mapping Division Atlantic Marine Center

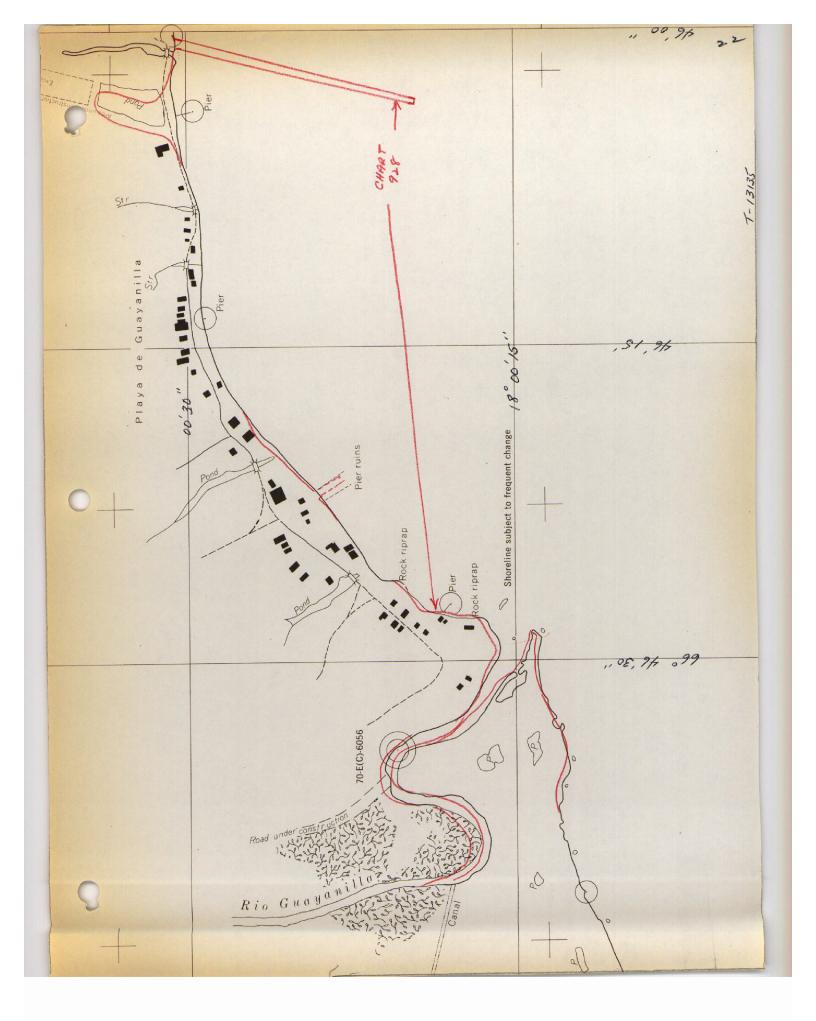
Approved:

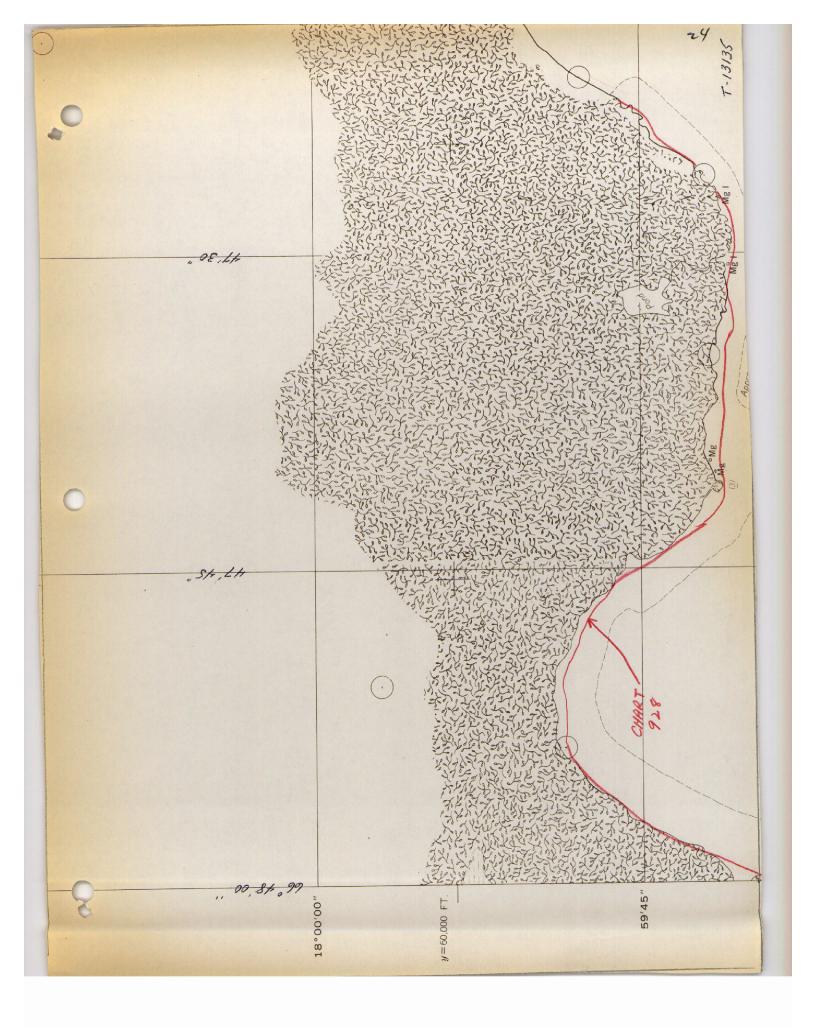
RADM, NOAA

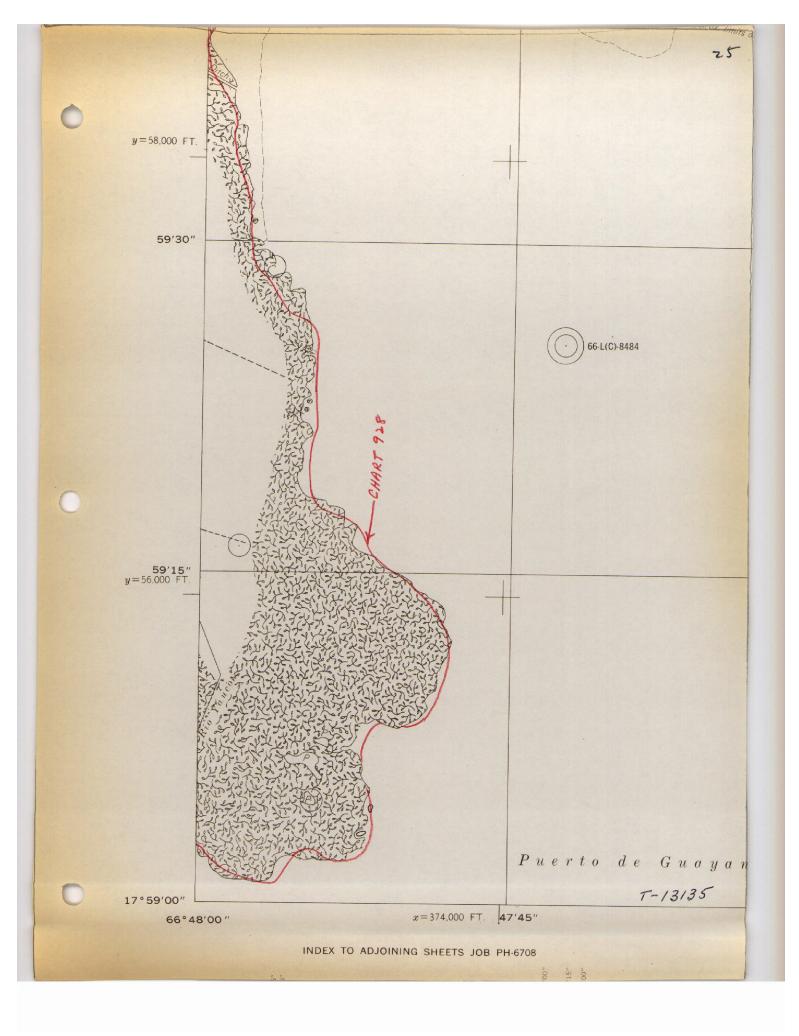
Director, Atlantic Marine Center

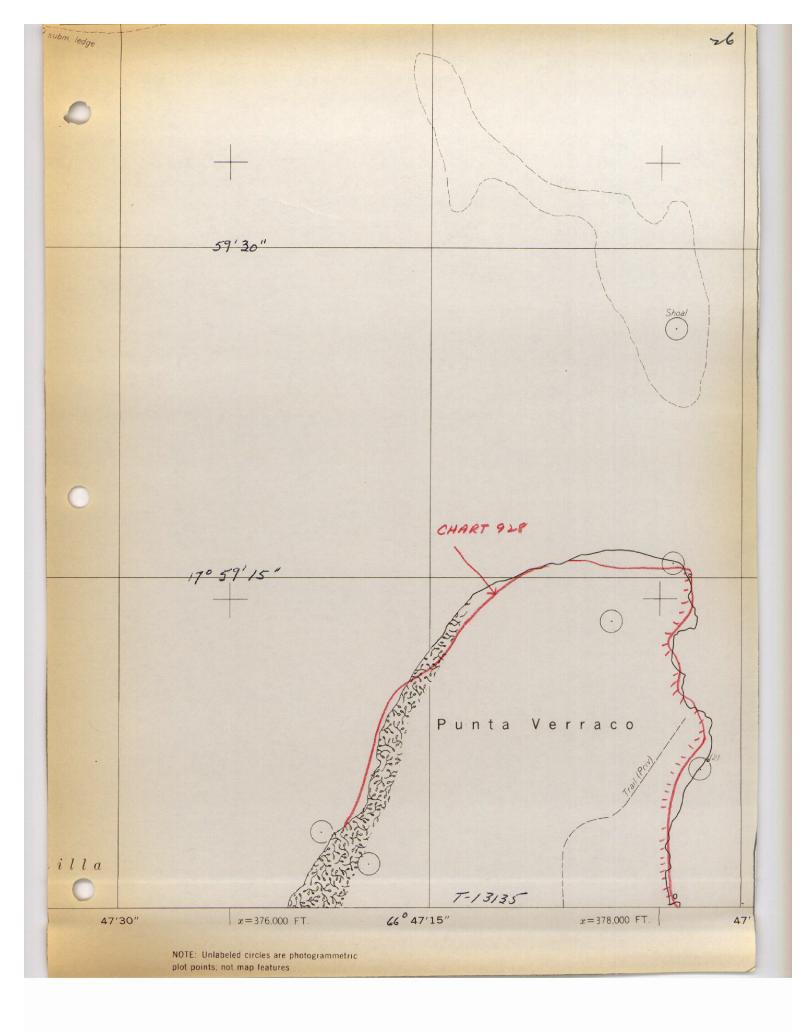
Approved

Wesley / Hull Chief, Coastal Mapping Division









U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GETTIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS	
NONFLOAT	CEL HOLD TO THE

TO BE DELETED

Atlantic Marine Center

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

The positions given have been checked after listing by A. C. Rauck, Jr.

Alfred C. Holmes, Director, AMC

										IL.		
STATE					POSITION			METHOD		TNA		
Pue	Puerto Rico		5	LATITUDE *	DNOT	LONGITUDE		LOCATION		нэ но		CHARTS
CHARTING	DESCRIPTION	SIGNAL NAME		", D.M.METERS	* 0	" D.P. METERS	DATUM	SURVEY No.		MARG	ONSMI	
	Bahia De Guayanilla											, '
Flagstaff			18 00,5		6646.3		Puerto Rico	PuertoT-13135Verif Rico 2/27/	Verif. 2/27/69	imes imes	×	928
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											l	

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-13 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonttoating aids to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given. * TABULATE SECONDS AND METERS

USCOMM-DC 36485-P66

7

2