

T-13361

ORIGINAL

T-13361

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-6904 Map No. T-13361

Classification No. Edition No. ...¹.....

Field Edited Map

LOCALITY

State ... Puerto Rico

General Locality ... South Coast

Locality ... Pueblo Oeste

19 70 TO 19 76

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 13361	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS FINAL	
				<input type="checkbox"/> REVISED		JOB PH. 6904	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va.				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Compilation Oct. 16, 1970				April 7, 1969 Jan 23, 1970 Jan 31, 1972 Nov 16, 1972			
II. DATUMS							
1. HORIZONTAL: <input type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify) Puerto Rico			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input checked="" type="checkbox"/> MEAN LOW-WATER <input type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Polyconic				4. GRID(S)			
				STATE Puerto Rico		ZONE 1	
5. SCALE 1:5,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY				R. Kelly		Sep 1970	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY				P. Dempsey		Oct 1970	
				P. Dempsey		Oct 1970	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				B. L. Barge		Feb 1971	
INSTRUMENT: Wild B-8 & Graphically CONTOURS BY				A. L. Shands		Feb 1971	
SCALE: 1:7,500 CHECKED BY				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				B. L. Barge		Aug 1971	
				R. Pate		Mar 1972	
METHOD: Smooth drafted CONTOURS BY				NA			
SCALE: 1:5,000 HYDRO SUPPORT DATA BY				B. L. Barge		Aug 1971	
				R. Pate		Mar 1972	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				R. Pate		Mar 1972	
6. APPLICATION OF FIELD EDIT DATA BY				C. Blood		Sep 1976	
				A. L. Shands		Sep 1976	
7. COMPILATION SECTION REVIEW BY				A. L. Shands		Sep 1976	
8. FINAL REVIEW BY				A. L. Shands		Nov 1977	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				A. L. Shands		Dec 1977	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				J. B. Phillips		Jan. 1978	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R.T. Cater		MAR. 1978	

NOAA FORM 76-36B
(3-72)T-13361
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC 8 "E"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Atlantic MERIDIAN 60th <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
70 E(C) 6424 - 6426	3/7/70	12:07	1:15,000	0.9 ft. above MLW	

REMARKS

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.

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 survey	EAST T-13360 T-13359(1:10,000)	SOUTH No survey	WEST T-13362
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REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

T-13361

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Wilson	1970
2. HORIZONTAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
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	None
	LOCATED (Field Methods) BY	None
	IDENTIFIED BY	None
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 ☒ 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)

None

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(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

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HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	W. Hull	Jun 1976
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
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	W. Hull 1976
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
3. PHOTO NUMBERS (Clarification of details)			
70E(C) 6425			
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			
One set of engineers plans			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)			
Field Edit Ozalid Field Edit Report			

NOAA FORM 76-36C
(3-72)

T-13361

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	Aug 1971	Class III manuscript		10/30/72 1/1/75 12/2/75
Field edit applied. Compilation complete	Sept 1976	Class I manuscript	9/22/76	
Final Review	Nov 1977	Final	12/30/77	

II. LANDMARKS AND AIDS TO NAVIGATION

NOTE

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

SUMMARY TO ACCOMPANY

DESCRIPTIVE REPORTS

T-12143, T-12144, T-12151, T-12161 and
T-13358 thru T-13362

The maps included in this summary cover the eastern portion of project PH-6904. They are all standard shoreline maps which served to provide shoreline in support of hydrographic operations and nautical chart construction. These maps cover the south coast of Puerto Rico from Punta Icacos westward to Punta Barrancas.

Photographs of the area were flown in March, 1970. Glare covers most of the water area. The black and white ratio photographs made from color contact prints are dark and the resolution is not good. Delineation of offshore and alongshore area details was made difficult by these factors.

No clarification of details was made prior to compilation. Precompilation field work was limited to the recovery and identification of horizontal control necessary for bridging.

Compilation was done at the Atlantic Marine Center by instrument and graphic methods. The Wild B-8 stereoplotter was used.

These maps were field edited in March and April, 1976. The edit items were applied to the maps at the Atlantic Marine Center in August and September, 1976.

Final review was preformed at the Atlantic Marine Center in October and November, 1977. The original base manuscripts were forwarded to the Washington Science Center for reproduction and final registration.

FIELD INSPECTION

T-13361

There was no field inspection prior to office compilation.

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. Tie points were used to augment datum tie 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

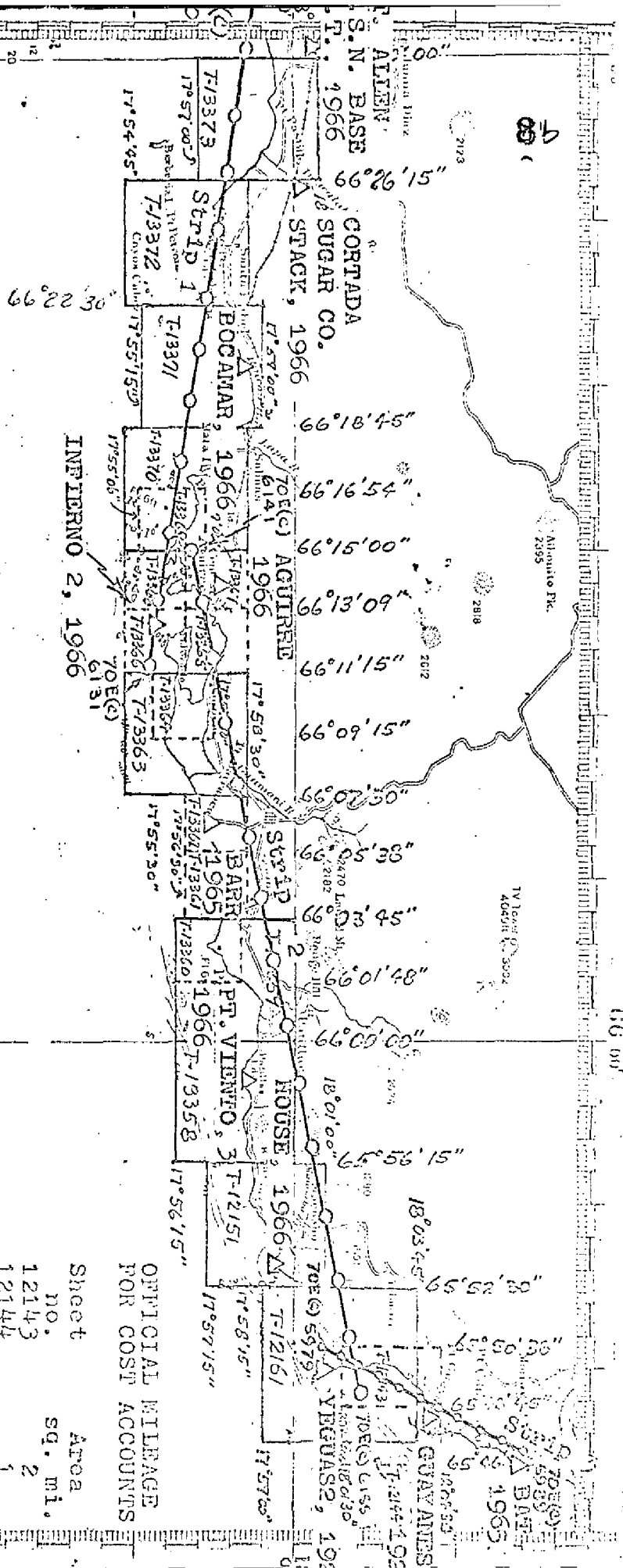
RC-8 E color photography was adequate as to coverage overlap and definition.

Submitted by,

Robert B. Kelly
Robert B. Kelly

Approved and forwarded,

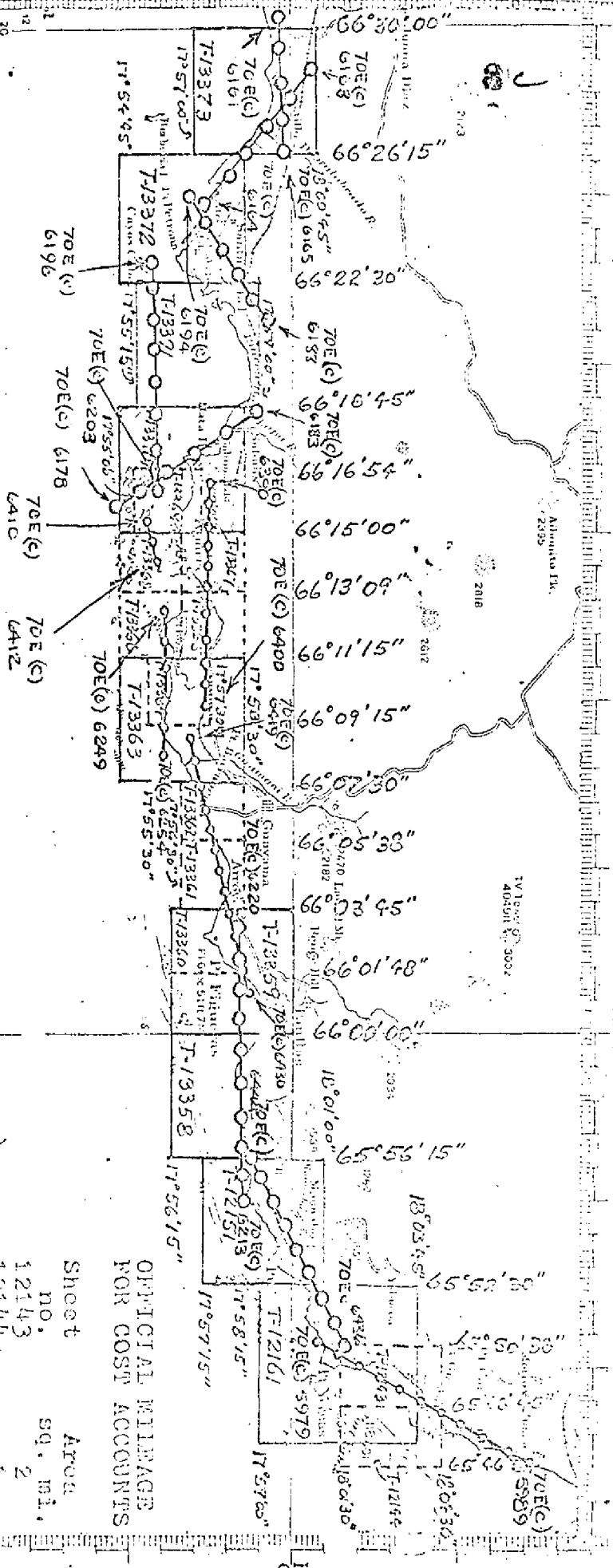
Henry P. Eichert
Henry P. Eichert
Chief, Aerotriangulation
Section



JOB #11-6904
SOUTH COAST, PUERTO RICO
Shoreline Mapping
Scale: 1:10,000
1:5,000

Pranab Kumar Dhotos

Sheet	Area	sq. ft.
12143	2	12143
12144	1	12144
12161	9	12161
12151	3	12151
13358	3	13358
13359	3	13359
13360	2	13360
13361	2	13361
13362	2	13362
13363	5	13363
13364	4	13364
13365	2	13365
13366	3	13366
13367	2	13367
13368	2	13368
13369	2	13369
13370	5	13370
13371	5	13371
13372	4	13372
13373	3	13373
TOTAL	55	



COMPLIMENT NOTES

JOB 111-6901
SOUTH COAST, PUERTO RICO
Shoreline Mapping
Scale: 1:10,000
1:5,000

OFFICIAL MILEAGE FOR COST ACCOUNTS		
Sheet	Area	
no.	sq. mi.	
12143	2	
12144	2	
12145	2	
12146	2	
12147	2	
12148	2	
12149	2	
12150	2	
12151	2	
12152	2	
12153	2	
12154	2	
12155	2	
12156	2	
12157	2	
12158	2	
12159	2	
12160	2	
12161	2	
12162	2	
12163	2	
12164	2	
12165	2	
12166	2	
12167	2	
12168	2	
12169	2	
12170	2	
12171	2	
12172	2	
12173	2	
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12182	2	
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12201	2	
12202	2	
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12219	2	
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12222	2	
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12224	2	
12225	2	
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12227	2	
12228	2	
12229	2	
12230	2	
12231	2	
12232	2	
12233	2	
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12237	2	
12238	2	
12239	2	
12240	2	
12241	2	
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12255	2	
12256	2	
12257	2	
12258	2	
12259	2	
12260	2	
12261	2	
12262	2	
12263	2	
12264	2	
12265	2	
12266	2	
12267	2	
12268	2	
12269	2	
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12271	2	
12272	2	
12273	2	
12274	2	
12275	2	
12276	2	
12277	2	
12278	2	
12279	2	
12280	2	
12281	2	
12282	2	
12283	2	
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12290	2	
12291	2	
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12293	2	
12294	2	
12295	2	
12296	2	
12297	2	
12298	2	
12299	2	
12300	2	
12301	2	
12302	2	
12303	2	
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12305	2	
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12307	2	
12308	2	
12309	2	
12310	2	
12311	2	
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12313	2	
12314	2	
12315	2	
12316	2	
12317	2	
12318	2	
12319	2	
12320	2	
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12322	2	
12323	2	
12324	2	
12325	2	
12326	2	
12327	2	
12328	2	
12329	2	
12330	2	
12331	2	
12332	2	
12333	2	
12334	2	
12335	2	
12336	2	
12337	2	
12338	2	
12339	2	
12340	2	
12341	2	
12342	2	
12343	2	
12344	2	
12345	2	
12346	2	
12347	2	
12348	2	
12349	2	
12350	2	
12351	2	
12352	2	
12353	2	
12354	2	
12355	2	
12356	2	
12357	2	
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12360	2	
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12362	2	
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12364	2	
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12434	2	
12435	2	
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12567	2	
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12570	2	
12571	2	
12572	2	
12573	2	
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12575	2	
12576	2	
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12578	2	
12579	2	
12580	2	
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12582	2	
12583	2	
12584	2	
12585	2	
12586	2	
12587	2	
12588	2	
12589	2	
12590	2	
12591	2	
12592	2	
12593	2	
12594	2	
12595	2	
12596	2	
12597	2	
12598	2	
12599	2	
12600	2	
12601	2	
12602	2	
12603	2	
12604	2	

LEGEND

- Δ CONTROL USED IN ADJUSTMENT
 () CLOSURES OF BRIDGE TO CONTROL SHOWN
 IN PARENTHESES
 Δ CONTROL USED AS CHECK.

STRIP 1

- Δ FT. ALLEN U.S.N. BASE W.T. (0.0, 0.0)
 Δ " " SUB STA. A (-0.4, 0.0)
 Δ CORTADA SUGAR CO. STACK 1966 (+0.8, +0.1)
 Δ " " SUB STA. A (+1.2, +1.2)
 Δ BOCANAR, 1966 SUB STA. A (0.0, 0.0)
 Δ INFIERNO 2, 1966 (0.0, 0.0)

STRIP 2

- Δ INFIERNO 2, 1966 (-0.6, +0.3)
 Δ AGUIRRE, 1966 (-1.3, +0.6)
 Δ BARR, 1965 (-0.6, -1.0)
 Δ PT VIENTO 3, 1966 (-1.2, -0.8)
 Δ HOUSE, 1966 SUB STA. A (+1.1, +0.4)
 Δ YEGUAS 2, 1965 (+1.1, -0.6)
 Δ YEGUAS 2, 1965 SUB STA. A (+0.3, -0.2)

STRIP 3

△	YEGUAS 2, 1965	(0.0, 0.0)
△	YEGUAS 2, 1965 SUB. STA. A	(0.0, 0.0)
△	GUAYANES 2, 1923	(0.0, 0.0)
△	BAT, 1965	(0.0, 0.0)

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		PH- 6904		GEODETTIC DATUM		ORIGINATING ACTIVITY Coastal Mapping		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	
T-13361						Puerto Rico		Division, Norfolk, Va.			
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS				
			STATE	ZONE	ϕ LATITUDE	λ LONGITUDE					
NONE			$x =$	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			COMPUTATION CHECKED BY			DATE					
LISTED BY			LISTING CHECKED BY			DATE					
HAND PLOTTING BY			HAND PLOTTING CHECKED BY			DATE					

COMPILATION REPORT

T-13361

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. Due to sun glare the limits of reef areas was shown as approximate.

32. CONTROL:

See the attached Aerotriangulation Plot Report, dated Sept., 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 from office interpretation of the photographs.

36. OFFSHORE DETAILS:

See Item #31.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

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 USGS Quadrangle Guayama, Puerto Rico, scale 1:20,000, dated 1960.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 925, scale 1:20,000, 3rd edition, dated June 30, 1969.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

A. C. Rauck, Jr. FOR
B. L. Barge
Cartographic Tech.
Oct. 26, 1971

Approved:

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

October 11, 1977

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6904 (South Coast, Puerto Rico)

T-13361

Arroyo

Branderi

Mar Pueblo

Pueblo Oeste


Puerto Arroyo

Quebrada Branderi

Quebrada Corazón

Quebrada Salada

Approved by:


Charles E. Harrington
Staff Geographer - C51x2

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 13361

12

1. PROJECTION AND GRIDS RJP	2. TITLE RJP	3. MANUSCRIPT NUMBERS RJP	4. MANUSCRIPT SIZE RJP
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY RJP	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 RJP	10. PHOTOGRAMMETRIC PLOT REPORT RJP	11. DETAIL POINTS RJP
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE RJP	13. LOW-WATER LINE RJP	14. ROCKS, SHOALS, ETC. RJP	15. BRIDGES RJP
16. AIDS TO NAVIGATION RJP	17. LANDMARKS RJP	18. OTHER ALONGSHORE PHYSICAL FEATURES RJP	19. OTHER ALONGSHORE CULTURAL FEATURES RJP
PHYSICAL FEATURES			
20. WATER FEATURES RJP	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 RJP
CULTURAL FEATURES			
27. ROADS RJP	28. BUILDINGS RJP	29. RAILROADS NA	30. OTHER CULTURAL FEATURES RJP
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES RJP		34. JUNCTIONS RJP	35. LEGIBILITY OF THE MANUSCRIPT RJP
36. DISCREPANCY OVERLAY RJP	37. DESCRIPTIVE REPORT RJP	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS RJP
40. REVIEWER A.C. Rauck, Jr. FOR R. J. Pate 3/23/72		SUPERVISOR, REVIEW SECTION OR UNIT A.C. Rauck, Jr.	
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 C. Blood C. Blood 9/76 Reviewed: A. L. Shands 9/27/76		SUPERVISOR A.C. Rauck, Jr.	
43. REMARKS			

FIELD EDIT REPORT
PROJECT PH-6904
SOUTH COAST, PUERTO RICO
T-13362, T-13361, T-13360
T-13359, T-13358, T-12151
T-12161, T-12143, T-12144

This report is submitted for five 1:5,000 scale maps and four 1:10,000 scale maps. The Field Edit was accomplished during the spring season of 1976 by the NOAA SHIP MT MITCHELL MSS-22 personnel.

52 ADEQUACY OF COMPILATION

The compilation is generally good. After the application of field edit data and data from engineering drawings of Arroyo and Yabucoa, the compilation will be adequate for charting.

53 MAP ACCURACY

Map compilation as to horizontal position is good. A modified field test was conducted on several points. Horizontal control was field identified, transferred to the manuscript, position scaled and compared to the computed coordinates and generally the agreement was less than one meter.

54 RECOMMENDATIONS

None

55 GEOGRAPHIC NAMES

No discrepancies were noted except those that were questioned on the field sheet. Names of persons interviewed about names in question are shown on T-13362, Photo 70E6421, 70E6218, T-13358, and T-12151.

56 SHORELINE AND ALONGSHORE FEATURES

The entire shoreline was checked by either walking, truck or small boat. All rock heights were estimated by going alongside or near in a small boat. On some near shore rocks, heights were estimated by walking the shoreline. Field Edit was conducted on days when sea conditions were moderate to calm. During launch hydro, the officer in charge, referenced many alongshore features, but in general the sea conditions were rough and the hydro launch did not get as near to the objects as the small boat used by the field editors.

All field edit data is indicated on the Field Edit Ozalid and photographs and are cross referenced.

There is a small marina under construction in Arroyo. Engineering drawings are furnished with this report. At Punta Figuras shoreline that is subject to frequent change was located by sextant angle and tape measurements; the field data and shoreline change is shown on manuscript T-13360.

On the eastern limit of T-12151, a small section of shoreline is in error and should be corrected as indicated on Photo 70E6440.

On T-12143, Yabucoa harbor area, construction is still underway. The main harbor is completed with construction underway on the southeast side. Engineering drawing of the harbor and new construction are enclosed with this report. Nautical Chart 25661 7th Edition May 24/75 already reflects the main harbor. Tie-points were located throughout the harbor to assist in tying in with the engineering drawings. The shoreline immediately north of the riprap breakwater, as indicated on T-12143, is subject to daily change due to sand borrowing operations both landward and seaward of the mean high water line. The mouth of the stream is plugged on occasion with sand and debris, but continues to break through near the mouth as compiled. I recommend that the shoreline be charted as shown on photos and as compiled with note of frequent change.

57 LANDMARKS AND AIDS

Form 76-40 was submitted for all nautical landmarks and fixed aids to navigation in the descriptive reports for the hydrographic surveys. Copies of those forms are attached to this report.

58 GENERAL STATEMENT

All field edit notes have been made in violet ink on the field edit ozalids and ratio photographs,

It is recommended that photography of opportunity be obtained of the Yabucoa Harbor area and of the Palmas Del Mar harbor area, just north of Yabucoa. A special report was submitted on Palmas Del Mar to Director, Atlantic Marine Center with copy to CAM5.

Submitted 18 June 1976

Wesley Hull
Wesley . Hull
Captain, NOAA
Commanding Officer
NOAA Ship Mt Mitchell MSS-22

REVIEW REPORT

T-13361

SHORELINE

November 23, 1977

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

Photographic glare of the water area prevented the delineation of Arrecife Corona. Arrecife Algarrobo was only partially delineated for the same reason. Both of these features were adequately developed by the hydrographer.

The marina at Arroyo was constructed since photography. It was delineated using engineering drawings supplied by the field editor.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with final verified smooth sheet H-9597 (MI-10-2-76). The rock, concrete block and obstruction shown along the shoreline on the smoothsheet are not visible on the photographs. Also, there is no evidence on the photographs of the existence of the coral ledge awash shown west of the marina at Arroyo. The object labeled "pier" just east of the entrance to Quebrada Salada on the smoothsheet was identified as a sewer outfall by the field editor.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 25689, 1:20,000 scale, 5th edition, dated May 7, 1977. 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

A. L. Shands
Final Reviewer

Approved for forwarding:

Joseph W. Voňasek

Joseph W. Voňasek
Chief, Photogrammetric Branch AMC

Approved:

D. K. Langwood

Chief, Photogrammetric Branch

James G. Galt

Chief, Coastal Mapping Div.