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U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey	SHORELINE
	Office No. T-12155
	LOCALITY
State	PUERTO RICO
General locality	EAST COAST
Locality	PUNTA CASCAJO TO
	PUNTA ALGODONES
	1958-1965
	CHIEF OF PARTY Photo Party 708 Pralski, Tampa District Office
LIB	RARY & ARCHIVES
DATE	1 JUL 1960

USCOMM-DC 5087

50.

DESCRIPTIVE REPORT - DATA RECORD

	- 12133				
PROJECT NO. (II):					
Ph-6106 (21042)					
FIELD OFFICE (II):	1	CHIEF OF PARTY			
Puerto Rico	M. L. Olivier				
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE			
Tampa, Florida	V. Ralph Sobieralski				
INSTRUCTIONS DATED (II) (III): Field & Office - Aug. 30, 196					
Amendment: " - Jan. 15, 196					
* Interior plantmetry restricted to		Centures usef	Ful to photo hydro suppor		
			Sen		
15 1627		5. (3.1			
A HARA		Kinder of the a			
METHOD OF COMPILATION (III):					
Kelsh plotter					
MANUSCRIPT SCALE (III):	STEREOSCO	PIC PLOTTING INST	RUMENT SCALE (III):		
1:5,000	The state of the s	3,000			
DATE RECEIVED IN WASHINGTON OFFICE (IV):	DATE REPO	PRTED TO NAUTICAL	. CHART BRANCH (IV):		
APRIC 13, 1968			CHART BRANCH (17).		
APPLIED TO CHART NO.	DATE:		DATE REGISTERED (IV):		
GEOGRAPHIC DATUM (III):		VERTICAL DATUM			
Puerto Rico			EXCEPT AS FOLLOWS: (25) refer to mean high water		
		Elevations shown as (5) refer to sounding datum			
		i.e., mean low water	or mean lower low water		
SOUTH 1941					
LAT: LONG.:	1				
18°12°12.776" (392.8m.) 65°39°03.720" (10	09.3m.)	X ADJUSTED UNADJUSTED			
PLANE COORDINATES (IV):		STATE	ZONE		
= 135,007.53 Ft. x= 771,503.24 Ft.		Prouto Pico	Tambant		
= 135,00(1.75 FU. X = ([1,705.24 FU.		Puerto Rico	Lambert		
ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTER	RED BY (II) FI	ELD PARTY, (III) PH	OTOGRAMMETRIC OFFICE.		
OR (IV) WASHINGTON OFFICE. WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE					

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

DATE: Dec. 1961 FIELD INSPECTION BY (II): Date taken from M. L. Olivier CSI card MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): Air Photo Compilation Date of Photography Oct. 19, 1961 Mar. 5, 1965 PROJECTION AND GRIDS RULED BY (IV): DATE A. Riley Jan. 1962 PROJECTION AND GRIDS CHECKED BY (IV): DATE I. Y. Fitzgerald Jan. 1962 CONTROL PLOTTED BY (III): V. P. Cackowski Feb. 1962 CONTROL CHECKED BY (III): DATE Feb. 1962 R. E. Smith RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): DATE Jan. 1962 Washington STEREOSCOPIC INSTRUMENT COMPILATION (III): PLANIMETRY DATE R. E. Smith Feb. 1962 CONTOURS DATE Inapplicable MANUSCRIPT DELINEATED BY (III): R. E. Smith Mar. 1962 Reviewed by: W. H. Shearouse Mar. 1962 SCRIBING BY (III): P. W. Leikhim May 1963 DATE Reviewed by: R. R. Wagner May 1963 PHOTOGRAMMETRIC OFFICE REVIEW BY (III): DATE W. H. Shearouse May 1963

REMARKS: FIELD ED IT BY G. F. WIRTH, SEPT. 1962

REMARKS:

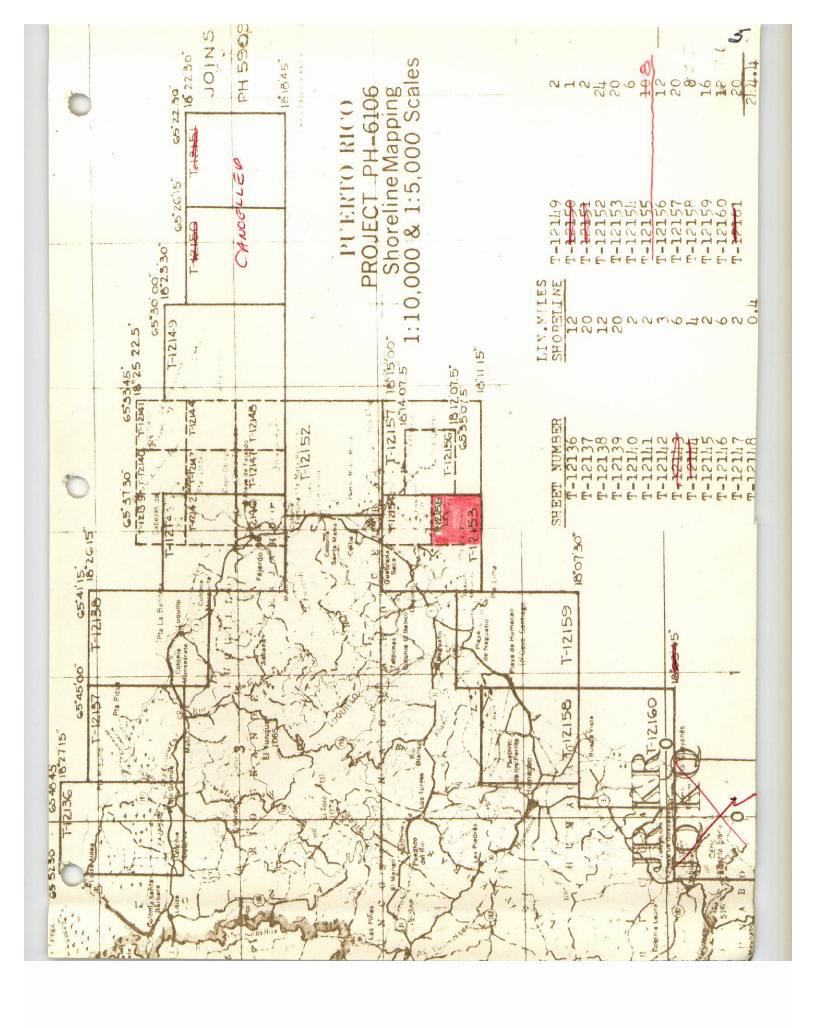
U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

AMERA (KIND OR SOURCE) (III):

Wild "W" and "S"

	PH	OTOGRAPHS (III)				
NUMBER	DATE	TIME	SCALE	ST	AGE OF TH	DE X
58-S-2585 thru 2589 61-W-1559 thru 1561	1958 10-19-61	- 1l ₄ 3l ₄	1:10,000		POS 17	
61-W-1760 thru 1762 65-L 1331 j 1334, E 1337	10-20-61 3/5/45	(52)	1:10,000	* OIA (COLOR (Center.	s off T-	
		TIDE (III)				
REFERENCE STATION: **Chart	No. 922 state	s 0.7 ft. ran	ge of tide	RATIO OF RANGES	MEAN RANGE	SPRING
BORDINATE STATION:						
Atlantic Naring	Genter M.	M. SLAVA	IEY		ept.	1967
PROOF EDIT BY (IV):			RECOVERED:	DATE:	D: *	
NUMBER OF TRIANGULATION STA		0	RECOVERED:	O IDENTIFIE	D	
NUMBER OF RECOVERABLE PHO	TO STATIONS ESTABLE	SHED (III): None				
NUMBER OF TEMPORARY PHOTO	HYDRO STATIONS EST	ABLISHED (III): N	one			



6

SUMMARY TO ACCOMPANY DESCRIPTIVE REPORT T-12155

Shoreline manuscript T-12155 is one of eight 1:5,000 scale maps in PH-6106 (21042) Puerto Rico, which also contains sixteen 1:10,000 scale maps. The sketch on page 5 of this report shows the position of this manuscript in the project. It is noted that 1:5,000 scale maps T-12143 and T-12144, and 1:10,000 scale maps T-12150, T-12151, and T-12161 of this project are in a postponed status until some future date cancelled.

This is a stereo-instrument project in advance of hydrographic surveys of the area. Field inspection was done on 1:10,000 ratio prints from 1:30,000 panchromatic photographs made with the "S" camera April 18, 1959. Compilation was done with 1:15,000 photographs made with the "W" camera on Oct. 19, 1961. Color prints at 1:10,000 taken with the "W" camera on Oct. 20, 1961 were furnished for reference. The stereo-bridge was run and adjusted to field identified control in the Washington Office. Compilation was done with the Kelsh Plotter. Ratio prints, at 1:5,000 scale were processed and provided for photo-hydro support.

Field work preceding compilation consisted of control identification and field inspection was provided for compilation. The manuscript was field edited during 1962 in conjunction with photohydro support.

Revision of Ensenada Honda and contiguous areas was done during final review using 1965 photographs, because extensive shoreline changes were made after the 1962 field edit. Please see Item 61 of Final Review Report, page 16.

The compilation manuscript was a vinylite sheet 1 minute, 52.5 seconds in latitude, and 1 minute, 52.5 seconds in longitude. The smooth manuscript was on cronaflex for registry and record after final review.

2. AREAL FIELD INSPECTION

These shoreline sheets, are located on the eastern coast of Fuerto Rico. The area is undeveloped except for the village of Fajardo and the Roosevelt Roads Naval Resvervation.

Field inspection was performed on photographs 59-S-3940 through 59-S-3949 and 59-S-3915 through 59-S-3923. Some difficulty of interpretation of the apparent MHWL was encountered around mangrove areas.

Three housing areas within the naval station were not field inspected. It is believed that the 1961 photographs will cover these spots. Also a small marina in Ensenada Honda was left for the 1961 photographs. A new marina, under construction, on the south side of Cayo Obispo (a small island just east of Playa de Fajardo) was left for field edit.

3. HORIZONTAL CONTROL

All Coast and Geodetic Survey control stations except four within the project limits were searched for. HOUSE, 1901; KID, 1941; MCNTE, 1941; and NORTH, 1941 were not searched for because no descriptions were furnished. Only those stations as specified on the project diagram were photo-identified. One U. S. Geological Survey control station (CENTRAL FAJARDO, NORTH STACK, 1941) was recovered and photo-identified.

There were many triangulation stations that could not be recovered especially around the naval base. It is believed that much of this control was destroyed during construction of the base.

4. VERTICAL CONTROL

All tidal bench marks in the area were searched for. The one at Playa de Fajardo was recovered but the two in Ensenada Honda could not be found.

5. CONTOURS AND DRAINAGE.

Contours were not a part of the work requirements for this project.

The drainage patterns can be distinguished on the photographs.

6. WOODLAND COVER

Woodland cover has been classified in accordance with the requirements I for topographic maps. Wooded areas are adequately covered by the field inspection photographs.

Swamp areas were designated as mangrove. There is considerable mangrove throughout the area.

7. SHORELINE AND ALONGSHORE FEATURES

The mean high water line was inspected from a small boat and by walking along the shoreline.

The shoreline in places was visited at low water. The mean low water line is shown onethe photographs in green ink.

The foreshore is steep in some places and somewhat flat in other places.

Docks, piers, wharves, ctc. are adequately covered on the field inspection photographs.

One submerged cable was identified on the photographs.

8. OFFSHORE FEATURES

Some offshore rocks were visited and their heights above MHW were noted. Coral is distinguishable on the photographs.

9. LANDMARKS AND AIDS

Landmarks and aids to navigation located by photogrammetric methods are shown on the contact prints. One landmark, a rower on Pineros Island, was identified on the field inspection photographs.

All landmarks and aids to be charted or deleted are adequately covered on Form 567.

10. BOUNDARIES, MONUMENTS, AND LINES

Boundaries were excluded by the project instructions.

11. OTHER CONTROL

Existing objects suitable for photo hydro control were identified on the field inspection photographs. These are shown on the photographs by three digit numbers. Many of the landmarks and aids can be used for photo hydro control.

12. OTHER INTERIOR FEATURES

All buildings and roads have been classified in accordance with project instructions dated 30 August 1961.

13. GEOGRAPHIC NAMES

An investigation of geographic names was not required by the project instructions. It was noticed that the geographic names on the existing charts and quads of this area agree with one another and with the general opinion of the local people.

14. SPECIAL REPORTS AND SUPPLEMENTAL DATA

Contact photographs were forwarded to the Washington office by Letter of Transmittal No. PH-6106-3 dated 20 November 1961.

Submitted

5 December 1961

Michael L. Olivier

Chief. Photo-Party 70:

PHOTOGRAMMETRIC PLOT REPORT PUERTO RICO, EAST COAST PROJECT PH-6106 March, 1962

21. Area Covered:

T-12146;

T-12136 through T-12139; T-12141 through T-12148; T-12152 through T-12161.

22. Method:

Five stereoplanigraph bridges were run in order to provide pass points for Kelsh compilation of the project.

Strip # was adjusted on a linear basis. All other strips were adjusted on a least-squares basis on the IBM 650 computer. Satisfactory adjustments were obtained for all strips in the project.

23. Adequacy of Control:

The horizontal control provided complied with project instructions, and was adequate. The following control failed to hold in bridging:

A PINERITA 2, 1941-SUB.PT. 2. This station had been designated as a poor image pt. at the time of bridging, and may safely be disregarded due to the proximity of other control that held in bridging.

24. Supplemental Data:

None

25. Photography:

The photography was adequate for the needs of aerotriangulation.

Submitted by:

R. E. Fuechse

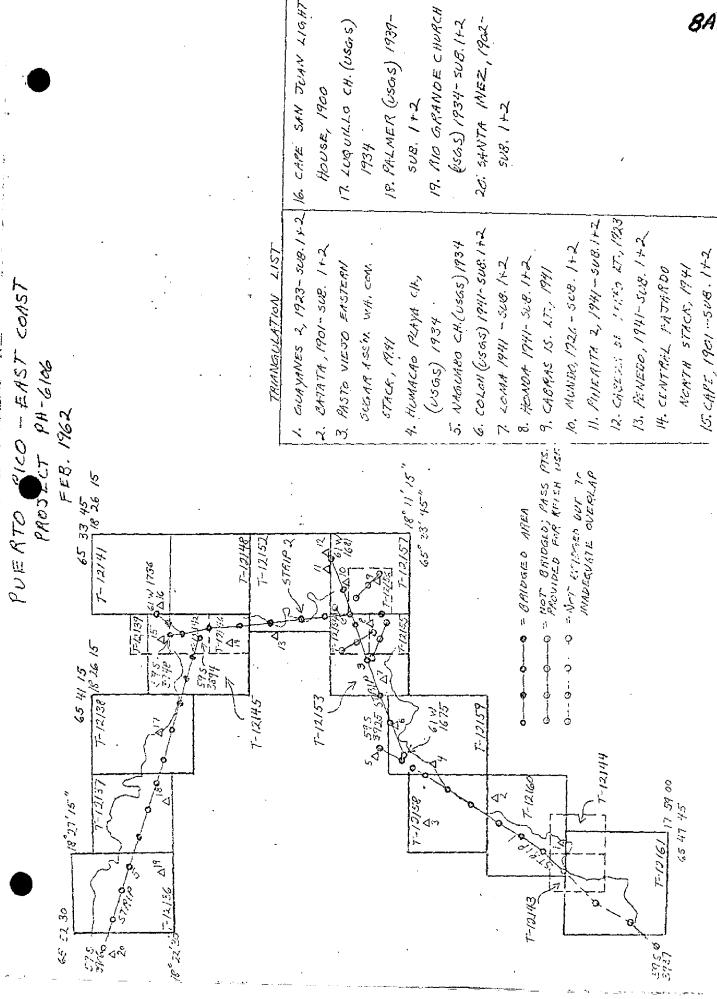
Fuedisol

Approved:

www.)d

E. H. Rámey, Chief

Aerotriangulation Section



established to facilitate The helph setting of various models II to compile the largescale when T-12154, 12155 + 12156. These
models are at scale 1:15,000, and are numbered as follows: 61 W 1559-60; 1560-61;
1566-67; 1575-76; 1576-77; 1583-184; 1584-85.
These models are at that of the scale
of the photos wed in strips 2 + 3. Therefore, the models mentioned above should
be used in line of strips 2 + 3 for the
large-scale compilation.

not use DPINERITA 2, 1941-5.5.2. This sta. had been designated as a poor image point at the time of bridging, and the number and geographic location of other control in strips 3 is such that this print may be entirely disregarded. All other control in strips 3 held very well in bridging.

plate 19 " 121. There should be practioned

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COAST AND GEODET CONMERCE

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FORM C&GS-164 (3-64) USCOMM-DC 6689-P64

N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 FL = 3048006 meter). 18 3/2/62 FORWARD SCALE FACTOR ٠,٠ LONGITUDE OR Y COORDINATE Shearouse 1:5,000 503.24 007.53 221.42 113.65 W. H. SCALE OF MAP CHECKED BY 135 137 779 771 DATUM Puerto Rico Puerto Rico PH-6106 SOURCE OF INFORMATION (INDEX) DATE PROJECT NO. Smith 1941 12155 SOUTH, 1941 STATION 면 . 띺. POINT, COMPUTED BY MAP T-.

COMPILATION REPORT T-12155

PHOTOGRAMMETRIC PLOT REPORT

The stereotriangulation bridge was run in the Washington Office. No report has been received, however a "Notes on Puerto Rico - Strip 3" was received and a copy is included with this report.

31. DELINEATION

The Kelsh plotter was used in delineation. Only the shoreline and offshore details were shown. See item 35.

32. CONTROL

The stereo bridge was run from 1:30,000 scale diapositives. Control point 59320 (79403) could not be held. It appears to be misidentified. (The point on photo No. 61-W-1559 is not the same as the point on 61-W-1679 (used in the bridge); (the point has been removed from the map manuscript so as not to confuse the hydrographer). Some of the control points were rather large. They were small enough on the 1:30,000 scale photographs but on the 1:15,000 diapositives they were larger than desirable on the Kelsh plotter.

33. SUPPLEMENTAL DATA

Inapplicable.

34. CONTOURS AND DRAINAGE

Inapplicable.

35. SHORELINE AND ALONGSHORE DETAILS

The shoreline inspection was skimpy. With the help of the color photographs 2585-2589 and 1760-1762 and office interpretation of the photographs, it is believed that the shoreline meets the required accuracy. Shallow and mud areas were delineated from office interpretation of the photographs as was the low-water line where shown.

36. OFFSHORE DETAILS

The rocks indicated by the field inspector have been shown and their elevations checked by the Kelsh plotter. A group of rocks (approx. location Latitude 18°12°03", Longitude 65°38°51") the

COMPILATION RECORD

COMPLETION DATE

REMARKS

November 1962	Superseded
	THE RESIDENCE OF THE PARTY OF T
October 1967	
	October 1967

field inspector labeled about 10 feet above mean high water checked out 7 feet above mean high water. Stereo elevations have been shown on some of the other rocks delineated. These rocks appeared black on the Kelsh, therefore it was difficult to be sure of their exact elevation, but the elevations are believed to be within a foot. From the color photographs there were other rocks, or what appeared to be rocks, but because they could not be positively identified on the Kelsh they have been enclosed with a broken line within a "rocky area".

37. LANDMARKS AND AIDS

None.

38. CONTROL FOR FUTURE SURVEYS

None.

39. JUNCTIONS

Junctions have been made with T-12154 to the north; T-12153 to the west; T-12157 to the east. No contemporary survey to the south (water).

40. HORIZONTAL AND VERTICAL ACCURACY

No statement.

46. COMPARISON WITH EXISTING MAPS

Comparison has been made with USGS Quadrangle NAGUABO, P.R., scale 1:20,000, made from aerial photographs taken in 1941, revised 1957. The shoreline is in fair agreement but there are many more rocks than are shown on the quadrangle.

Comparison was also made with U. S. Navy Hydrographic Office Topographic Map NAVAL STATION - ROOSEVELT ROADS, scale 1 inch = 400 feet, compiled from aerial photographs in 1959. No major differences were noted.

47. COMPARISON WITH NAUTICAL CHARTS

Comparison has been made with chart 922, scale 1:10,000, edition of March 6, 1944, corrected to February 4, 1961. Comparison is favorable, with the exception that there are more rocks shown on the chart than could be identified in the office from the photographs.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Carto Photo Aid

APPROVED AND FORWARDED

Tampa District Officer

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-6106 (Puerto Rico)

T-12155

See below X Caribbean Sea Mar Caribe-J.f.

Pasaje de Vieques

Playa Blanca

Punta Algodones

Punta Cascajo

Approved by:

Prepared by:

A. J. Wraight Chief Geographer

Cartographic Technician

May 29,1965

NOTE: The last Geographic Names Board decision (1944)

was Carribean Sea". Mar Caribe is used on nautical Charts.

FORM 182 (8-61)		P	нотос	RAMMETRIC OFF			S. DEPARTMENT Coast and geo		
N. PROJECTION	LAND	2. TITLE		<u> </u>			3. MANUSCRIPT	4. MANUSC	
GRIDS		_ ,,,,_,					NUMBERS	SIZE	
WHS		WHS		ia. Classification	Indeal Unclassif	ied	WHS	WHID	
CONTROL STATIONS	5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY WHS								
	7. PHOTO HYDRO STATIONS 8. BENCH MARKS				9. PLOTTING OF SEXTANT 10. PHOTOGRAMME			AMMETRIC	
01,5110110	1. 7,,01	TO PROTO TO PROTO STATISTICS BERGIT MARKING			FIXES		PLOT RE	PORT	
	ł	XX] 2	XX	XX	XX XX		•	
	11. DETAIL POINTS								
	II	.s							
	12. SHOR	ELINE	13. LO	N-WATER LINE	14. ROCKS, SHOAL	S, ETC.	15. BRIDGES		
ALONGSHORE	WI		WH		WHS		XX		
AREAS	<u> </u>		ĺ						
(Nautical	16. AIDS	TO NAVIGATION		17. LANDMARKS		18. OTHE	R ALONGSHORE URES	PHYSICAL	
Chart Data)] 3	ΧX		XX		WHS			
Juluj						L	,		
	IN OTHE	R ALONGSHORE CI	ULTURA	L FEATURES					
	WI-	HS .							
	20. WATE	R FEATURES			21. NATURAL GRO	UND COVE	:R		
	70				XX.				
PHYSICAL									
FEATURES	22. PLANETABLE CONTOURS			23. STEREOSCOPIO	INSTRUM	ENT CONTOUR	5		
	XX				XX				
•				25. SPOT ELEVATI					
	24. CON 1	4. CONTOURS IN GENERAL				ONS	•		
	,	.: XX	XX						
	26. OTHER PHYSICAL FEATURES								
	ľ	vhs							
	27. ROAD			28. BUILDINGS		29. RAIL	ROADS		
CULTURAL	١.	KX.		XX			XX		
FEATURES						<u> </u>			
	30. OTHER CULTURAL FEATURES								
	XX								
	31. BOUN	IDARY LINES			32. PUBLIC LAND	LINES			
BOUNDARIES	31. BOUNDARY LINES								
		XX			XX				
	33. GEOG	RAPHIC NAMES				34. JUNC	TIONS		
MISCEL-	W	HS.				W	HS		
LANEOUS	Ĺ			/EDIAV	37. perco	DIDTIVE SESSE	<u> </u>		
	35.LEGIBILITY OF THE MANUSCRIPT 36. DISCREPANCY OV								
١.] WI	HS		XX		MMS			
	38. FIELD INSPECTION PHOTOGRAPHS			39. FORMS					
	WHS			SIGNATURE OF SU	DEBUICA	DEVICE CEAT	ON OR THUS		
	SIGNATURE OF BEVIEWER						M. M. SVA		
40. FIELD COM		. H. Shearous		ONS TO THE MANUSC					
pletion surv	ey have	been applied to the	manusc	ript. The manuscrip	t is now complete e	xcept as r	oted in tematks	on idverse s	
SIGNATURE OF	COMPLE	5////	= 1)	+ f () 2	SIGNATURE OF SU				
	\sim	14/00/16	Chan	M. X.	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	r.Sla			

FIELD EDIT HOTES OPR 423-1962 USO&GS Ship HIPLORER

All field edit notes have been delineated on the mylar T-Dects. In general, the only discrepancies found were differences in U. dulinecation of the mean high water line along sand beaches. These is upancles were resolved with distance measurements from the hydrographic signals to the mean high water line. The azimuth used to a paper-dicular line from the mean high water line to the respective signal. Each T-Sheet is discussed separately below with a listing of the necessary photos.

T-12160 - Mean high water line revision in area of "BWD" appears nocessary. Rock height revisions necessary in the following areas: FER, LOG, FOX, AND DIX.

Photos - 5953933, and 3932.

T-12158 - Wean high water line revision along entire beach line appears necessary.

Photos - 5953931, 3930, 3929, and 3928.

T-12159 (2 copies) - Mean high water line revision in area of BUH to IBE. Rock height revisions in the following areas: HUG, GEO, and IEE. Photos - 5983927, 3926, and 61V1676.

T-12153 - Rock height revision in area of JTM. Photos - 61W1678 and 1679.

T-12155 - Rock height revision in area of CUT. Photos - 61V1559 and 61V1560.

T-12156 - Rock height revisions in the following areas: EVA (2), KDM, and CRY.

Photos - 61W1584 and 1585.

T-1215 - Pier revision at OH.

Photos - None

T-12157 - None

All T-Sheets, since they contain final locations of hydrographic signals, must be returned to this command as soon as possible as they are needed to plot hydrographic smooth sheets.

Respectfully submitted:

10 September 1962

Leoget. Wwd.

LT, C&GS

Forwarded Approved:

Janand L. Jones

CAPE, CSGS

Jourly., Ship EXFLORER

REVIEW REPORT T-12155 SHORELINE September 1967

61. GENERAL STATEMENT:

See Summary accompanying Descriptive Report (page 6).

Construction, filling, and dredging have taken place in large areas of Ensenada Honda and contiguous bays since the field edit. They were revised using 1:5,000 ratio prints of 1965, 1:15,000 color photographs 65-L-1331 and 1336, both of whose centers fall off this map.

An ozalid Comparison Print, showing the differences noted in Items 62 and 65, is enclosed with the original copy of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Registered Topographic Survey: T-6877b; 1:4,800; Oct. 1941 Registered Topographic Survey: T-6878; 1:4,800; Oct. 1941 Registered Topographic Survey: T-6879; 1:4,800; Nov. 1941

The shoreline and rocks from these registered surveys are on the Comparison Print in blue.

The delineation of the shoreline where it consists of the Mean High Water line has been carefully re-examined during final review; this has also been done for the rocks offshore. It was not possible to verify many of the "rocks" shown on the Registered Surveys, by office interpretation; and as noted in Item 35 of the Descriptive Report, the shoreline inspection was "skimpy". The only Field Edit notes consisted of two rock heights and one "jetty"; so the field edit did not help resolve these differences.

There are understandable differences in the mangrove shoreline. It is noted that in two areas the Registered Surveys did not attempt to map the mangrove shoreline but confined themselves to the "fast kand" or M.H.W. line with some mangrove symbols delineated; these are at latitude 18° 12'.4, longitude 65° 30'.3 from T-6878, and at latitude 18° 12'.35, longitude 65° 39'.2 from T-6879.

This survey supersedes the previous registered surveys for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

NACTUOBO, P.R., U.S.G.S. QUAD.; 1:20,000; 1943 revised 1957

Detailed comparison was not made because the quadrangle would require a ux enlargement. The general comparison seems favorable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

BOAT SHEET EX 5-3-65A and B, (H-8862); 1:5,000; 1965 BOAT SHEET EX10-2-62B; (H-8638); 1:10,000; 1962

Boat Sheet EX 5-3-65A & B was too faint and smudged to be useful.

Details from Boat Sheet EX10-2-62B are on the Comparison Print in green.

The boat sheet gives data on three rocks near latitude 18° 12.13', longitude 65° 38.56', and one rock near 18° 12.10', 65° 38.8'. The latter rock is on Chart 922 as awash; the boat sheet shows it "covers 2 ft. at 1448, 5/31/62" when the predicted tide stage is near low water. None of these rocks were definitely identifiable on the photographs.

The boat sheet is obscure in the area of latitude 18° 12.02', longitude 65° 38.47', where chart 922 shows an island about 50 meters long (see paragraph 3 Item 65).

65. COMPARISON WITH NAUTICAL CHARTS:

Chart 922; 1:10,000; 6th Edition; October 11, 1965 Chart 940; 1:25,000; 3rd Edition; July 25, 1966 (not used)

- 1. The shoreline and offshore details from Chart 922 are shown on the Comparison Print in red. Chart 922 covers all but the area west of longitude 65° 38.87', which falls on Chart 940; however, Chart 940 requires 5x enlargement and was not used.
- 2. Rocks shown on Chart 922, but not delineated on T-12155 are shown on the Comparison Print. The photographs were re-examined carefully but positive office identification could not be made; and too few notes were made by the field inspector and/or the field editor (please see paragraph 2 of Item 62).
- 3. Delineation of the rock islets near latitude 18° 12.02°, long. 65° 38.47° appears to be correct on T-12155 after detailed examination of photographs 61-W-1559 and 1560. The tide stage, from predicted tides for photo 61-W-1559 is about 1.0 ft. above MLW, and this photograph shows water over much of the 50 meter island on Chart 922. The rocks at latitude 18° 12.05°, longitude 65° 38.72° also appear to be correct on T-12155.
- 4. Chart 922 shows rocks awash at latitude 18° 12.37°, longitude 65° 37.63°, and at latitude 18° 12.09°, longitude 65° 38.8° that could not be identified on the photographs. Color photo 65-L-1338 shows a whitish spot that may be the rock at latitude 18° 12.28°, longitude 65° 37.86° on Chart 922, but positive identification could not be made and no note was made by the field inspector or the field editor.

5. Shoreline changes in the area between latitude 18° 12.3' and 18° 13.2', longitude 65° 37.75' and 65° 38.3' have obviously taken place between the completion of field edit in September 1962 and Chart 922 publication in October 1965.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with the project instructions, Bureau requirements, and the National Standards of Map Accuracy. No accuracy tests were run in the field.

Reviewed by:

M. M. Slavney

Approved by:

J. Bull, RADM, USESSA

Director, Atlantic Marine Center

Chief, Gartographic Branch ANB

Chief, Chart Division

Chief, Photogrammetry Division 1 1968

Chief, Operations Division

NOTES TO VERIFIER T-12155 Project Ph-6106(21042) Boat Sheet No. EX-5-3-65A & B(H-8862)

Please note Items 62, 64 and 65 of the Final Review Report for T-12155.

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.

2. In "Remarks" column cross out words that do not apply.

3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Revi

CHART	DATE	CARTOGRAPHER	n recommendations made under "Comparison with Charts" in the Rev
 .		DC ~ Sta	
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