

Orig.

12141

12141

12141

Form 504 U. S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY  <b>DESCRIPTIVE REPORT</b>	
Type of Survey <u>Shoreline (Photogrammetric)</u>	
Field No. _____	Office No. <u>T-12141</u>
<b>LOCALITY</b>	
State <u>Puerto Rico</u>	
General locality <u>East Coast of Puerto Rico</u>	
Locality <u>La Cordillera</u>	
<u>1958 — 19<del>63</del>62</u>	
<b>CHIEF OF PARTY</b>	
<u>E. L. Jones - Chief of Party</u>	
<b>LIBRARY &amp; ARCHIVES</b>	
DATE <u>1 JUL 1968</u>	

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 Review.

CHART	DATE	CARTOGRAPHER	REMARKS
917 (25663)	9/27/74	R. Neite	Adequately Applied <sup>&amp; Field</sup> <del>Full Part Before</del> After Verification Review Inspection Signed Via Drawing No.
921	10 15 74	J. O'Connor	Adequately Applied <sup>&amp; Field</sup> <del>Full Part Before</del> After Verification Review Inspection Signed Via Drawing No. 12
904 (25450)	11/5/74	R. Neite	Adequately Appld <sup>and Field</sup> <del>Full Part Before</del> After Verification Review Inspection Signed Via Drawing No. 25
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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NOTES TO VERIFIER  
T-12141 Project PH-6106  
BOAT SHEET NO. EX-10-1-64 (H-8814)

See the two rocky islets, noted on the Comparison Print, at latitude  $18^{\circ} 23'.9$ , longitude  $65^{\circ} 35'.75$ ; and latitude  $18^{\circ} 23'.95$ , longitude  $65^{\circ} 35'.8$ , which are on Chart 921 and could not be seen on the photographs used for T-12141. See Items 62, 64, and 65.



Reviewed by:

M. M. Slavney  
M. M. Slavney

Approved by:

J. Bull  
J. Bull, RADM, USESSA  
Director, Atlantic Marine Center

Approved by:

Charles L. ... S. 7. 6  
Chief, Cartographic Branch  
Photogrammetric

Ralph Sobieralski JUN 19 1968  
Chief, Photogrammetry Division

Paul C. Boyer  
Chief, Nautical Chart Division

Chief, Operations Division

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Boat Sheet EX-10-164 (H-8814); 1:10,000; 1964

The boat sheet shoreline was from the Advance Compilation of T-12141. There were no changes made by the hydrographer. Some delineation changes were made since in the shoreline of Cabo San Juan, and a pier was added at latitude  $18^{\circ} 22'.83$ , longitude  $65^{\circ} 37'.6$ .

The boat sheet made no comment on the rocky islet, at latitude  $18^{\circ} 24'.27$ , longitude  $65^{\circ} 36'.88$ , which chart 921 shows as "rock awash".

65. COMPARISON WITH NAUTICAL CHARTS:

Chart 921; 1:10,000; 8th Edition, June 27, 1966

The chart shoreline differences with T-12141 are in the Comparison Ozalid in red.

There are shoreline differences to 50 meters in the islands of La Cordillera and to 30 meters on Cabo San Juan.

The chart does not show the pier at Playa Canalejo, latitude  $18^{\circ} 22'.83$ , longitude  $65^{\circ} 37'.06$ .

The chart shows two small islands in Los Farallones; lat.  $18^{\circ} 23'.9$ , long.  $65^{\circ} 35'.75$ ; lat.  $18^{\circ} 23'.95$ , long.  $65^{\circ} 35'.8$ ; that are not visible on photographs 61-W-1597 or 1598. It is noted that no breakers or any other evidence is seen at these locations on the photographs. The northerly of these two rock islets is on Registered Survey 2478; the other is not.

The rocky islet at lat.  $18^{\circ} 24'.27$ , long.  $65^{\circ} 36'.88$  is on the chart as a "rock awash".

The shoreline on Cayo Lobos from Chart 921 shows a spit about 100 meters north of that on this map.

The interior ponds on Cayo Icacos are changed; as are Laguna Grande and others on Cabo San Juan.

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 have been run in the field.

REVIEW REPORT T-12141  
SHORELINE  
NOVEMBER 1967

61. GENERAL STATEMENT:

See Summary accompanying Descriptive Report (page 6).

A Comparison Print showing the differences noted in Items 62, 63, 64, and 65, is included with the original of this report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Registered Survey T-2478; 1:10,000; 1900

Registered Survey T-2538; 1:20,000; 1901

The shoreline from these registered surveys is on the Comparison Print in blue.

There are shoreline differences to 50 meters on Cabo San Juan, Cayo Icacos, and Cayo Lobos.

A rocky islet, latitude  $18^{\circ} 23'.95$ , longitude  $65^{\circ} 35'.8$  is on T-2478 but not on this survey. No evidence of a rock, breakers, etc. are visible in this area on photograph 61-W-1597 or 1598. ✓

The pier at Playa Canalejo, latitude  $18^{\circ} 22'.83$ , longitude  $65^{\circ} 37'.6$ , is new. ✓

See the Comparison Print for differences in the size and shape of the rock islets from Las Cucarachas to Cayo Lobos.

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

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

CAYO ICACOS, PUERTO RICO; USGS quad.; 1:20,000; 1943; revised 1958

The quadrangle shoreline is shown on the Comparison Print in purple.

There are differences to 40 meters in the shoreline. The shoreline of Cayo Lobos and the adjoining islands reveal a position shift of about 40 meters northeast of T-12141.



FIELD EDIT REPORT  
T-12141

No field edit report was submitted as such. The Item "SHORELINE INSPECTION", on page 2 of Descriptive Report for "Control and Shoreline" for OPR 423, 1964, which is a part of the hydrographic records states: "A limited field was carried on concurrently with hydrography for each boat sheet. What field edit notes were made were placed on the cronaflex T sheets and marks on appropriate photos in green ink. T sheets and accompanying photographs were sent to the Washington Office on September 15, 1964."

"All offshore detail shown on the T sheet was verified or deleted by the hydrographic party."

This completed the Item.

The field edit for T-12141 was so skimpy that it has been classified as "None".

*M. M. Slavney*  
M. M. Slavney  
Final Review

GEOGRAPHIC NAMES  
FINAL REVIEW LIST  
PH-6106  
T-12141 (Shoreline)

- > ATLANTIC OCEAN - (1)
- > CABEZAS DE SAN JUAN (3)
- > CABO SAN JUAN (4)
- > CAYO ICACOS - (5)
- > CAYO LOBOS - (5)
- > CAYO RATONES - (6)
- > ENSENADA YEGUA - (2)
- > LA CORDILLERA - (8)
- > LAGUNA GRANDE -
- > LAS CUCARACHAS -
- > LOS FARRALLONES -
- > PASAJE CUCARACHA -
- > PASAJE DE SAN JUAN -
- > PLAYA CANALEJO -

Names are from FINAL NAME SHEET (Sheet 5 of 7) on CAYO ICACOS, PUERTO RICO, quadrangle.

M. M. Slavney  
Final Review

Names approved  
 May 28, 1968  
 A. J. Wright  
 Frank W. Sickett

ADDENDUM TO THE COMPILATION REPORT  
FOR T-12141

The area of CABO SAN JUAN, shaded green on the sketch (page 5 of report), was compiled by stereo instrument in the Tampa District Office June 1962. Compilation was done while compiling map T-12139 to the west of T-12141. The models used to compile T-12139 extended into T-12141 far enough to cover CABO SAN JUAN. T-12139 was at 1:5,000, which was reduced to 1:10,000 for use on T-12145 and on T-12141.

*M. M. Slavney*  
M. M. Slavney  
Final Review



PHOTOGRAMMETRIC OFFICE REVIEW  
T-10363 12141

1. PROJECTION AND GRIDS <b>JEB</b>	2. TITLE <b>JEB</b>	3. MANUSCRIPT NUMBERS <b>JEB</b>	4. MANUSCRIPT SIZE <b>JEB</b>
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <b>JEB</b>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <b>X</b>	7. PHOTO HYDRO STATIONS <b>X</b>	
8. BENCH MARKS <b>X</b>	9. PLOTTING OF SEXTANT FIXES <b>X</b>	10. PHOTOGRAMMETRIC PLOT REPORT <b>JEB</b>	11. DETAIL POINTS <b>JEB</b>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE <b>JEB</b>	13. LOW-WATER LINE <b>JEB</b>	14. ROCKS, SHOALS, ETC. <b>JEB</b>	15. BRIDGES <b>X</b>
16. AIDS TO NAVIGATION <b>JEB</b>	17. LANDMARKS <b>JEB</b>	18. OTHER ALONGSHORE PHYSICAL FEATURES <b>JEB</b>	19. OTHER ALONGSHORE CULTURAL FEATURES <b>JEB</b>
PHYSICAL FEATURES			
20. WATER FEATURES <b>JEB</b>	21. NATURAL GROUND COVER <b>JEB</b>	22. PLANETABLE CONTOURS <b>X</b>	
23. STEREOSCOPIC INSTRUMENT CONTOURS <b>X</b>	24. CONTOURS IN GENERAL <b>X</b>	25. SPOT ELEVATIONS <b>X</b>	26. OTHER PHYSICAL FEATURES <b>JEB</b>
CULTURAL FEATURES			
27. ROADS <b>JEB</b>	28. BUILDINGS <b>JEB</b>	29. RAILROADS <b>X</b>	30. OTHER CULTURAL FEATURES <b>JEB</b>
BOUNDARIES			
31. BOUNDARY LINES <b>X</b>	32. PUBLIC LAND LINES <b>X</b>		
MISCELLANEOUS			
33. GEOGRAPHIC NAMES <b>JEB</b>	34. JUNCTIONS <b>JEB</b>	35. LEGIBILITY OF THE MANUSCRIPT <b>JEB</b>	
36. DISCREPANCY OVERLAY <b>X</b>	37. DESCRIPTIVE REPORT <b>JEB</b>	38. FIELD INSPECTION PHOTOGRAPHS <b>NONE</b>	39. FORMS <b>JEB</b>
40. REVIEWER <b>J. E. Battley</b>		SUPERVISOR, REVIEW SECTION OR UNIT <b>K. N. Maki</b>	
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 <b>R. Pate</b>		SUPERVISOR <b>Albert C. Rauck, Jr.</b> <b>A. C. Rauck, Jr.</b>	
43. REMARKS			

e

39. Junctions

Junctions have been made and are in agreement with the adjoining sheets.

40. Horizontal and Vertical Accuracy

Horizontal positions in the area of Cayo Diablo (T-12149) are considered weak. See item 32 of this report and the Photogrammetric Plot Report. With the combination of ratioed single-lens photographs and 9-lens radial cuts, a position for pass points within the tolerances for this scale mapping is believed to be maintained in this area.

41-45 - None

47. Comparison with Nautical Charts

The manuscripts have been compared with Chart No. 917, 1:40,000 scale, published 6-18-62 and revised 1-12-63. Comparison was also made with Chart No. 921, scale 1:10,000, published 3-6-61 and revised 1-12-63.

Submitted by:

*Jacqueline B. Phillips*  
Jacqueline B. Phillips



COMPILATION REPORT  
PH-6106  
T-12141, 12148 & 12149  
February 1963

31. Delineation

Graphic methods were used to compile these manuscripts, utilizing ratioed single-lens cronapaque photographs. All compilation was based on office interpretation of the photography. Due to lack of control compilation was not accomplished in the area of Cayo Largo (T-12148). Color photography was available and was used as an aid in interpreting foreshore coral and bottom characteristics.

32. Control

See item 23 and 25 of the Plot Report. In resecting the ratio prints to the manuscript it was evident that the placement of the triangulation stations available to control this area was such that an absolute fix in horizontal positioning of the islands on T-12149 is subject to a possible shift in an East-West direction.

33. Supplemental Data

Charts 917 and 921 were used to obtain geographic names.

34. Contours and Drainage

Inapplicable

35. Shoreline and Alongshore Details

Coral surrounds most of the islands, however identification could not be positive and the limits of such areas are not well defined on the photographs. To delineate the areas of coral and/or shallow water, a dashed line has been shown and the area labeled "shallow." Where interpretation was more positive, the symbol for coral has been shown.

36. Offshore Details

No unusual problems were encountered.

37. Landmarks and Aids

None office identified

38. Control for Future Surveys

None



DESCRIPTIVE REPORT CONTROL RECORD

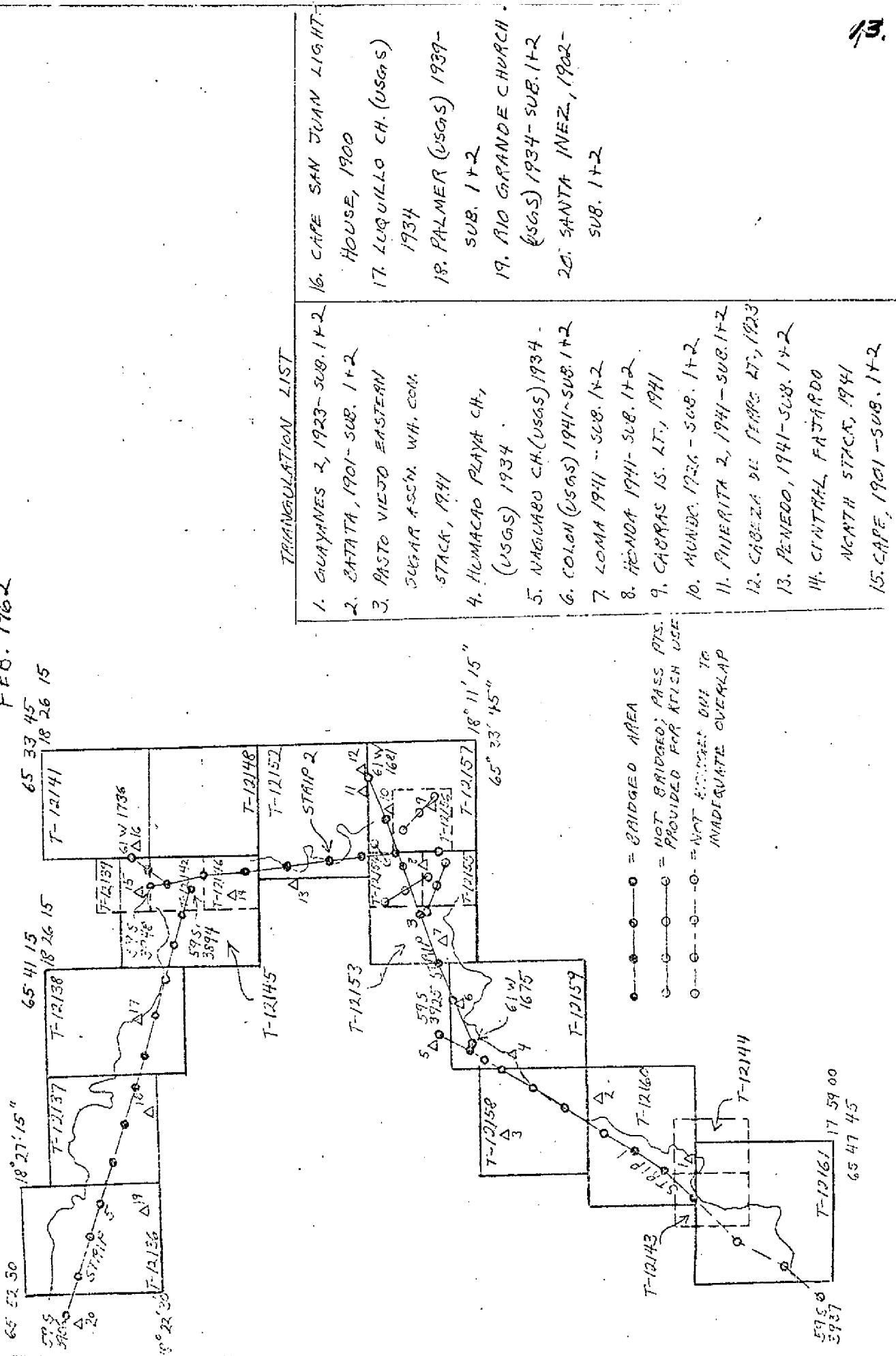
MAP T- 12141 PROJECT NO. PH-6106 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y-COORDINATE LONGITUDE OR X-COORDINATE	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meters) FORWARD (BACK)
CAPE SAN JUAN LIGHTHOUSE, 1900		Puerto Rico	200 401.80	
ONE WORD CUCA RACHAS LIGHT 1921		Puerto Rico	782 504.59	
<del>ROACH 1901</del>		<del>Puerto Rico</del>	<del>207 232.71</del> <del>784 844.0</del>	<del>Not Plotted</del>
NOB 2, 1962		Puerto Rico	18°23' 13.401	
LOBOS 2, 1962		Puerto Rico	65°35' 08.238 18°23' 02.828	
		Puerto Rico	65°34' 15.955	
COMPUTED BY V. P. Cackowski	DATE 4/3/62	CHECKED BY R. R. Wagner	DATE 4/13/62	13 A



# PUEERTO RICO - EAST COAST PROJECT PH-6106

FEB. 1962



## TRIANGULATION LIST

1. GUAYANES 2, 1923-SUB. 1+2	16. CAPE SAN JUAN LIGHT HOUSE, 1900
2. BATATA, 1901-SUB. 1+2	17. LUQUILLO CH. (USGS) 1934
3. PASTO VIEJO EASTERN SURVEY ASSN. WH. COM. STACK, 1941	18. PALMER (USGS) 1939-SUB. 1+2
4. HUMACAO PLAYA CH. (USGS) 1934	19. RIO GRANDE CHURCH (USGS) 1934-SUB. 1+2
5. NAGUABO CH. (USGS) 1934	20. SANTA INEZ, 1902-SUB. 1+2
6. COLON (USGS) 1941-SUB. 1+2	
7. LOMA 1941-SUB. 1+2	
8. HONDA 1941-SUB. 1+2	
9. CABRAS IS. LT., 1941	
10. MUNDO. 1926-SUB. 1+2	
11. PIÑERITA 2, 1941-SUB. 1+2	
12. CABEZA DE TERCERO LT., 1923	
13. PENEDO, 1941-SUB. 1+2	
14. CENTRAL FAJADO NORTH STACK, 1941	
15. CAPE, 1901-SUB. 1+2	

- = BRIDGED AREA
- = NOT BRIDGED; PASS PTS. PROVIDED FOR RTISH USE
- = NOT BRIDGED BUT TO INADEQUATE OVERLAP

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

21. Area Covered:

T-12136 through T-12139; T-12141 through <sup>T-12146;</sup> 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 #4 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:

Δ 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. Fuechsel  
R. E. Fuechsel

Approved:

E. H. Ramey  
E. H. Ramey, Chief  
Aerotriangulation Section



65°33'45"  
18°26'15"

T-12141

PHOTOGRAMMETRIC PLOT LAYOUT

PH-6106

SCALE 1:10,000

FEBRUARY 1963

▲... control held

△... control not held

59314

▲ GUCARACHAS LT 1921

61 W 1598

NOB 2 1962

△ CAPE SAN JUAN  
L.H. 1900

△ LOBOS 2 1962

61 W 1670

LA

CORDILLERA

CORDILLERAS 2  
1962

61 W 1592

5931

22°30'

CABO  
SAN JUAN

1671

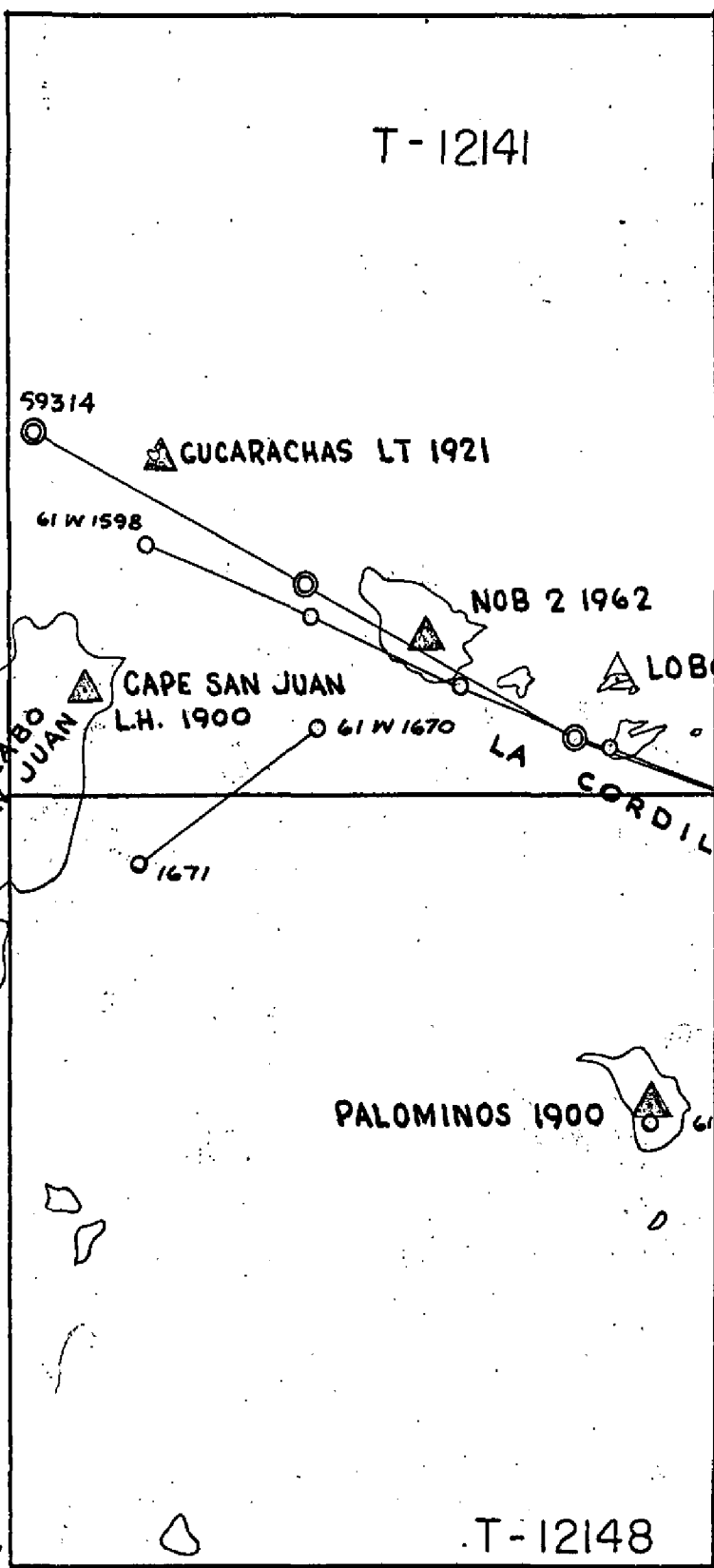
PALOMINOS 1900

61 W 1555

T-12148

T-12149

18°18'45"  
65°37'30"



- 2 -

24. Supplemental Data

None

25. Photography

As the area to be compiled was a narrow chain of islands, it was impossible to have both strong pass points and transferrable azimuths. The photography used was flown down the chain, affording the transfer of conjugate centers but resulting in weak cuts on the islands falling between centers.

Submitted by:

John P. Battley, Jr.  
J. P. Battley, Jr.

9.

PHOTOGRAMMETRIC PLOT REPORT  
PH-6106  
Scale 1:10,000  
February 1963

21. Area Covered

This radial plot comprises three manuscripts at 1:10,000 scale covering the group of islands known as La Cordilleras, just east of Cape San Juan, Puerto Rico. The surveys included are T-12141, 12148 and T-12149.

22. Method

The plot was laid with a single flight of five 9-lens photographs taken in 1958 and supplemented with nine 1961 single lens photographs.

1958 master calibration templet #57218 was used to prepare the 9-lens templets.

Holding to pass points established by a previous bridge junctioning to the west of this area (T-12145), the 9-lens templets were extended eastward down the narrow chain of islands on which control was located.

The enclosed sketch shows the positioning of control and photography used in this plot.

As the 9-lens photographs and the single-lens were closely aligned in flight, weak cuts were realized for the scattered islands on the eastern extremities of the area bridged.

Utilizing single-lens photographs, closely ratioed to the strongest pass points achieved by the 9-lens, an adequate fix in position was realized for these islands.

23. Adequacy of Control

Six field identified triangulation stations were available to bridge the area. Of these, five stations held within  $\pm 0.3$  mm of their plotted position.

Lobos 2 1962 RM 1 & RM 2 could not be held. It was felt that the accuracy of identification was doubtful at best. RM 1 & RM 2 were points of vegetation which were indefinitely defined on the photography. A positive identification of a control station nearby, Nob 2 1962, held well.

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

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

Docks, piers, wharves, etc. 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 tower 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*  
Michael L. Olivier  
Chief, Photo-Party 708



7.

FIELD INSPECTION REPORT - 7 -

2. AREAL FIELD INSPECTION

*Cayo San Juan of T-12141*

These shoreline sheets, <sup>T-12139, T-12142, T-12145, T-12146, and T-12152 through T-12157,</sup> are located on the eastern coast of Puerto Rico. The area is undeveloped except for the village of Fajardo, and the Roosevelt Roads Naval Reservation. *No inspection was done for the islands of La Condillera*

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; MONTE, 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 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.



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT T-12141

Shoreline manuscript T-12141 is one of sixteen 1:10,000 scale maps in Ph-6106, Puerto Rico, which also contains eight 1:5,000 scale maps. The sketch on page 5 of this report shows the position of this map 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 are ~~in a "postponed" status until some future date.~~ *cancelled.*

*2020.3*

This is a stereo instrument project in advance of hydrographic surveys of the area with the exception of most of maps T-12141, T-12148, and all of T-12149, which were compiled by graphic methods. No field inspection was provided. 1:10,000 scale ratio prints were furnished from 1:15,000 scale negatives made with the "W" camera on Oct. 19, 1961. The radial plot was run in the Washington Office using 1:10,000 scale 9 lens photographs along with the aforesaid single lens photographs. CABO SAN JUAN was compiled on the Kelsh Plotter from a stereo bridge run in the Washington Office with 1:15,000 "W" photographs taken Oct. 26, 1961. Ratio prints at 1:10,000 scale were processed and furnished for photo-hydro support.

Field work preceding compilation consisted of control identification only, and compilation was by office interpretation. The incidental field edit during photo-hydro support was so skimpy that "Field Edit" is classified "None". The only edit note on this map consisted of identifying the grass landing strip in CAYO LOBOS.

The compilation manuscript was vinylite, 3 minutes 45 seconds in latitude, and 3 minutes 45 seconds in longitude.



21045

# PUERTO RICO PROJECT PH-6106

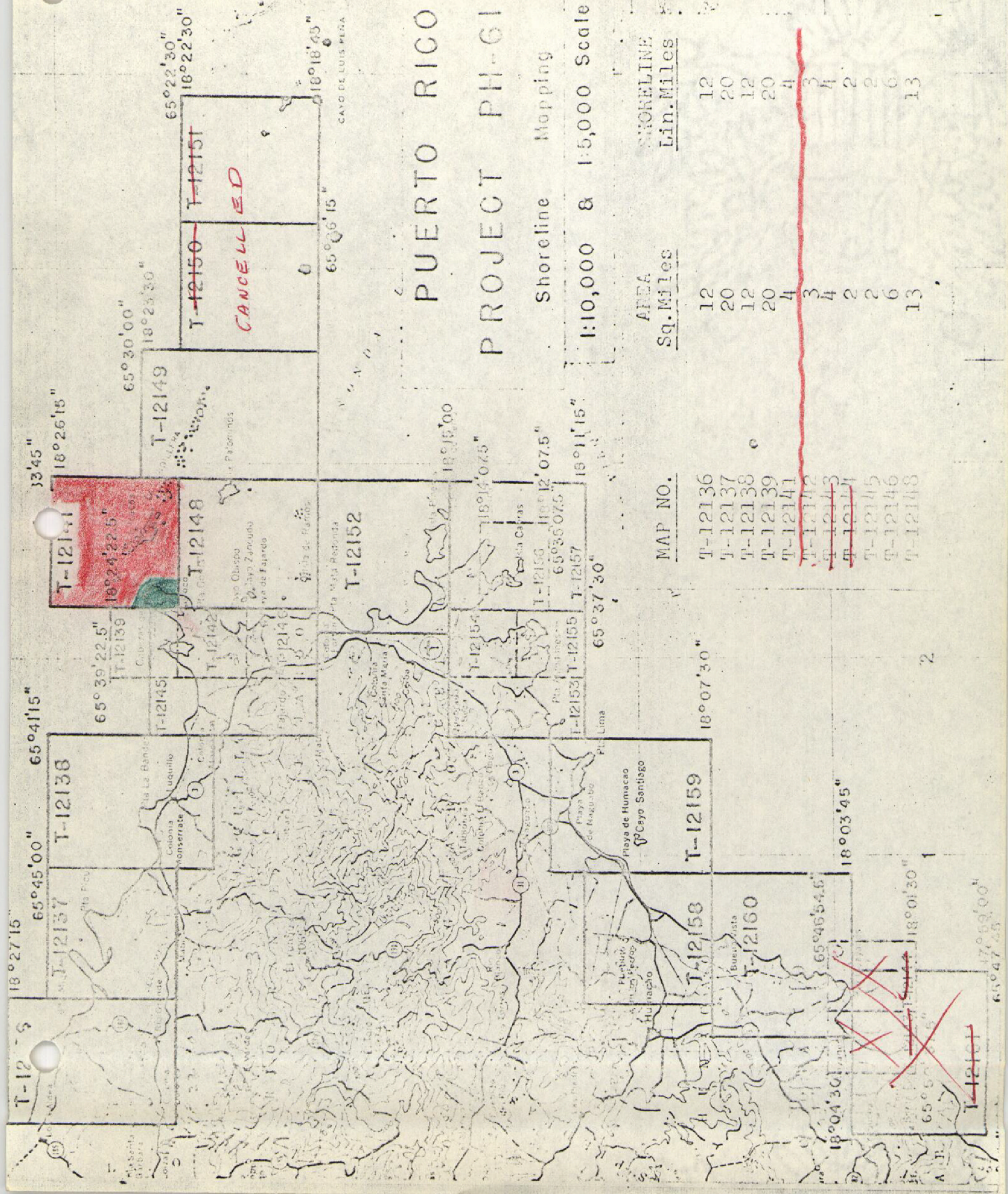
Shoreline Mapping  
1:10,000 & 1:5,000 Scales

AREA  
Sq. Miles

MAP NO.

SHORELINE  
Lin. Miles

MAP NO.	AREA Sq. Miles	SHORELINE Lin. Miles
T-12136	12	12
T-12137	20	20
T-12138	12	12
T-12139	20	20
T-12141	4	4
<del>T-12142</del>	<del>3</del>	<del>3</del>
<del>T-12143</del>	<del>4</del>	<del>4</del>
<del>T-12144</del>	<del>2</del>	<del>2</del>
T-12145	2	2
T-12146	6	6
T-12148	13	13



CANCELLED



T-12141

COMPILATION RECORD	COMPLETION DATE	REMARKS
Detail on Cabo San Juan compiled on Kelsh Plotter by Tampa	June 1962	Superseded
Remainder of Detail compiled by Washington Office	1963	Superseded
Manuscript Complete	1966	Superseded
Final Review	November 1967	

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

9-lens & single lens Wild RC-5

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
59310 thru 59314	10-28-58	1224 - 1228	1:10,000	(Not used for MHW delineation)
61W 1592 thru 1598	10-19-61	1508 - 1510	1:10,000 (ratio)	1.6 above MLW
61 W 1555	10-19-61	14:28		1.4 above MLW
61-W-1735 & 1736 (Centers west of map)	10-26-61	15:59	1:15000 Diap.	0.6 " "

*Predicted* TIDE (III)

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	San Juan		1.1	1.3
SUBORDINATE STATION:	Bahia de Fajardo		1.1 1.5	1.4
SUBORDINATE STATION:				
Atlantic Marine Center WASHINGTON OFFICE REVIEW BY (IV): M. M. Slavney		DATE: November 1967		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	4	RECOVERED:	4	
NUMBER OF BM(S) SEARCHED FOR (II):	None	RECOVERED:	IDENTIFIED	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):		None		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):		None		

REMARKS:

The only field edit note pertained to the "Unpaved Landing Strip" on CAYO LOBOS; consequently the map carries the notation "None" under Field Edit.



DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (III): <i>G.F. Wirth (control)</i> <i>Cabo San Juan Area by M.L. Olivier</i>		DATE: <i>5-3-62</i> <i>Nov. 1961</i>
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION):  <i>February 1962 Office interpretation</i>		
PROJECTION AND GRIDS RULED BY (IV):  <i>A. Roundtree</i>	DATE <i>10-4-62</i>	
PROJECTION AND GRIDS CHECKED BY (IV):  <i>L.F. Beugnet</i>	DATE <i>10-11-62</i>	
CONTROL PLOTTED BY (III):  <i>J.B. Phillips</i>	DATE <i>1-24-62</i>	
CONTROL CHECKED BY (III):  <i>J.T. Gerlach</i>	DATE <i>1-24-62</i>	
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):  <i>J. Battley, J.T. Gerlach</i>	DATE <i>2-18-62</i>	
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):  <i>J.B. Phillips</i>	DATE <i>Feb. 1963</i>	
SCRIBING BY (III): <i>A. Santillan</i> <del>_____</del>	DATE <del>_____</del> <i>July 1966</i>	
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): <i>R.E. Smith (Smooth Manuscript)</i> <i>J. P. Battley (Compilation Manuscript)</i>	DATE <i>July, 1965</i> <i>March, 1963</i>	
REMARKS:		



DESCRIPTIVE REPORT - DATA RECORD

T -12141, ~~12141-10000~~

PROJECT NO. (II):  
Ph-6106

FIELD OFFICE (III): Tampa	CHIEF OF PARTY E.L. Jones
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PHOTOGRAMMETRIC OFFICE (III): Washington, D.C.	OFFICER-IN-CHARGE J.E. Waugh
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INSTRUCTIONS DATED (II) (III):

Field & Office August 30, 1961  
Field & Office Amendment January 15, 1962 \*

\* Interior features restricted to those features useful to photo hydro support.

METHOD OF COMPILATION (III):  
Graphic

MANUSCRIPT SCALE (III): 1:10,000	STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):
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DATE RECEIVED IN WASHINGTON OFFICE (IV): APRIL 13, 1968	DATE REPORTED TO NAUTICAL CHART BRANCH (IV):
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APPLIED TO CHART NO.	DATE:	DATE REGISTERED (IV):
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GEOGRAPHIC DATUM (III): N.A. 1927	VERTICAL DATUM (III): Mean High Water <del>MEAN SEA LEVEL EXCEPT</del> AS FOLLOWS: Elevations shown as (25) refer to mean high water Elevations shown as (5) refer to sounding datum i.e., mean low water or mean lower low water
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REFERENCE STATION (III):  
NOB 2, 1962

LAT.: 18° 23' 13.401" (412.0m)	LONG.: 65° 35' 08.238" (241.8m)	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED
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PLANE COORDINATES (IV): Y = X =	STATE	ZONE
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ROMAN NUMERALS INDICATE WHETHER THE ITEM IS TO BE ENTERED BY (II) FIELD PARTY, (III) PHOTOGRAMMETRIC OFFICE, OR (IV) WASHINGTON OFFICE.  
WHEN ENTERING NAMES OF PERSONNEL ON THIS RECORD GIVE THE SURNAME AND INITIALS, NOT INITIALS ONLY.