

11893

orig

Diag. Cht. No. 5101-2.

Form 504

U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey SHORELINE (PHOTOGRAMMETRIC)

Field No. PH 6.0.11 Office No. T-11893

LOCALITY

State CALIFORNIA

General locality SAN DIEGO

Locality TIA JUANA RIVER

1960 - 1964

CHIEF OF PARTY

FRED NATELLA, CHIEF, OF PARTY

P. A. STARK, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

DATE _____

USCOMM-DC 5087

11893

DESCRIPTIVE REPORT - DATA RECORD
T - 11893

PROJECT NO. (II):			
21033			
FIELD OFFICE (III):		CHIEF OF PARTY	
OCEANSIDE, CALIFORNIA		FRED NATELLA	
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE	
PORTLAND, OREGON		P. A. STARK	
INSTRUCTIONS DATED (II) (III):			
	DECEMBER 20, 1960	II, III	
AMENDMENT 1,	AUGUST 31, 1961	II, III	
AMENDMENT 1,	APRIL 25, 1963	III	
AMENDMENT 2,	OCTOBER 1, 1963	III	
METHOD OF COMPILATION (III):			
KELSH INSTRUMENT			
MANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III):	
1:10,000		1:6000	
		PANTOGRAPH SCALE: ;	
		1:10,000	
DATE RECEIVED IN WASHINGTON OFFICE (IV):		DATE REPORTED TO NAUTICAL CHART BRANCH (IV):	
APPLIED TO CHART NO.		DATE:	DATE REGISTERED (IV):
GEOGRAPHIC DATUM (III):		VERTICAL DATUM (III):	
N.A. 1927		MEAN SEA LEVEL EXCEPT AS FOLLOWS: <i>Elevations shown as (25) refer to mean high water</i> <i>Elevations shown as (5) refer to sounding datum</i> <i>i.e., mean low water or mean lower low water</i>	
REFERENCE STATION (III):			
WASTE, 1933			
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED	
32° 33' 36.683"	117° 07' 50.044"	<input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV):		STATE	ZONE
y = 144, 327.65	x = 1,728,667.72	CALIFORNIA	6
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.			

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II): R. B. MELBY		DATE: OCT. 1962 TO APRIL 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): FIELD INSPECTION MARCH 1963 COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A. ROUNDTREE		DATE 5-3-63
PROJECTION AND GRIDS CHECKED BY (IV): L. F. BEUGNET		DATE 5-3-63
CONTROL PLOTTED BY (III): D. N. WILLIAMS		DATE 7-23-64
CONTROL CHECKED BY (III): J. L. HARRIS		DATE 7-23-64
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. P. EICHERT		DATE JUNE 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. L. GRAVES	DATE 8-27-64
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): R. H. MEYER STICK-UP: C. C. HARRIS		DATE 10-15-64 11-16-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: R. H. MEYER ADVANCE: R. H. MEYER		DATE 9-11-64 12-11-64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS TYPE S

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 S 714A THRU 716A	9-3-60	09:20	1:30,000	4.7' ABOVE M.L.L.W.
721A THRU 723A	"	09:30	1:20,000	4.6' " "
RATIO PRINTS OF ABOVE AT 1:10,000				

TIDE (III)

DIURNAL

		RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION:	SAN DIEGO, CALIFORNIA		4.2	5.8
SUBORDINATE STATION:				
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	11	RECOVERED: 7	IDENTIFIED: 2	
NUMBER OF BM(S) SEARCHED FOR (II):	NONE	RECOVERED:	IDENTIFIED	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III):		1		
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III):		NONE		

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11893

PROJECT 21033

REFER TO THE FIELD INSPECTION REPORT BY ROBERT B. MELBY FOR
T-11879 THRU T-11893 DATED OCTOBER 1962 TO APRIL 1963 INCLUDED WITH
THE DESCRIPTIVE REPORT FOR T-11879.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11893

PROJECT 21033

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT BY HENRY P. EICHERT,
DATED JUNE 1964, INCLUDED WITH THE DESCRIPTIVE REPORT FOR T-11879.

COMPILATION REPORT
MAP MANUSCRIPT T-11893
PROJECT 21033

31. COMPILATION:

PLANIMETRY WAS COMPILED BY USE OF THE KELSH INSTRUMENT.

32. CONTROL:

REFER TO THE COMPILATION REPORT FOR T-11879.

33. SUPPLEMENTARY DATA:

NONE.

34. CONTOURS AND DRAINAGE:

REFER TO THE COMPILATION REPORT FOR T-11883.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS COMPILED AS FIELD INSPECTED. A LONG STEEL PILE NEAR THE MOUTH OF TIA JUANA RIVER WAS LOCATED BY DIRECTION AND DISTANCE FROM STATION WASTE, 1933.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

ONE LANDMARK IS SHOWN ON THIS MANUSCRIPT AND IS RECOMMENDED FOR CHARTING. FORM 567 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTION WAS MADE WITH T-11892 TO THE NORTH. THERE IS NO CONTEMPORARY SURVEY TO THE EAST AND THE PACIFIC OCEAN IS TO THE WEST. THE SOUTHERN BOUNDARY OF THE UNITED STATES IS THE LIMITS OF COMPILATION OF THIS MAP.

40. HORIZONTAL AND VERTICAL ACCURACY:46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. 7½ MINUTE SAN YSIDRO, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1953.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH NAUTICAL CHART 5101, SCALE 1:234,270 AT LAT. 33° 20', 6TH EDITION, REVISED 9-24-62.

SUBMITTED:

James L. Harris
JAMES L. HARRIS
CARTOGRAPHER

APPROVED:

for Leo F. Bugniet
P. A. STARK, CDR, C&GS
PORTLAND FIELD OFFICER

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 11893 PROJECT NO. 21033 SCALE OF MAP 1:10,000 SCALE FACTOR NONE

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR Y COORDINATE LONGITUDE OR X COORDINATE	DISTANCE FROM GRID OR PROJECTION LINE IN METERS (1 Ft. = 3048006 meters) FORWARD (BACK)
RAYMEX, 1959	Vol. XVI 238	N.A. 1927	135,444.67	
BAJA, 1933	ZONE 6 P.C. 58	"	1,731,187.17 137,471.86 1,739,041.80	
U.S.N. TORPEDO RANGE, 10,000 YARD MARK, 1934	P.C. 102	"	139,118.34' 1,730,536.62	
BOUNDARY MONUMENT NO. 257, 1933	P.C. 29	"	135,458.05 1,737,033.41	
U.S.N. TORPEDO RANGE, 12,000 YARD MARK, 1934	P.C. 102	"	135,527.79 1,731,459.19	
WASTE, 1933	P.C. 22	"	144,327.65 1,728,667.72	
BOUNDARY MONUMENT NO. 258, 1892	P. 240	"	134,919.91 1,731,259.67	

COMPUTED BY C.H.B.

DATE 7-8-64

CHECKED BY L.L.G.

DATE 7-22-64

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES SHOWN ON THIS MANUSCRIPT ARE LISTED BELOW.
THESE NAMES WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME
SHEET, A COPY OF THE U.S.G.S. 7½ MINUTE SAN YSIDRO, CALIFORNIA
QUADRANGLE.

PACIFIC OCEAN
TIA JUANA RIVER

Names approved

8-3-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10263 11893

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

T-11893

~~NON-CHARTED~~ **LANDMARKS FOR CHARTS**

TO BE CHARTED
~~TO BE CHARTED~~
~~TO BE CHARTED~~

STRIKE OUT TWO

Portland, Oregon

14 Oct. 1964

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

The positions given have been checked after listing by J. L. Harris

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION SURVEY No.	DATE OF LOCATION OF	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE		LONGITUDE		DATUM	No.							Verification
				°	'	°	'									
CALIFORNIA	BOUNDARY MONUMENT	Marble shaft ht - 14' (51') (BOUNDARY MON. 258, 1892)		32	32	09.817	117 07	117.6	N.A. 1927	T-11892	2-21-63			X	5101	

P. A. Stark
Chief of Party

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and nonfloating 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.

Review Report
Shoreline Maps
T-11878 through T-11883, 11892 and 11893
September 1965

61. General Statement

Area - The project encompasses the California Coast from Dana Point to Mexico.

Purpose - The purpose of this project is to provide shoreline maps for our nautical and aeronautical charting program.

62. Comparison with Registered Topographic Maps

T-5371	1:10,000	1934
T-5372	1:10,000	1934
T-5373	1:10,000	1934
T-5374	1:10,000	1934

Cultural and shoreline changes have been continuous with extensive changes in the urban areas.

63. Comparison with Maps of Other Agencies

San Ysidro	1:24,000	1953
National City	1:24,000	1953
Point Loma	1:24,000	1953

Considering the time interval the maps are in comparatively close agreement.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

5101	1:234,270	April 1965
5105	1:12,000	1962
5107	1:20,000	1964

There are differences in the San Diego harbor area, otherwise they are in comparatively good agreement.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions, and comply with the National Standards of Map Accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. ...
Chief, Photogrammetric Branch

L. F. Woodcock
Chief, Photogrammetry Division

Chief, Nautical Chart Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11893

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
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
			Full Part Before After Verification Review Inspection Signed Via Drawing No.
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