

11892

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 6011 Office No. T-11892

LOCALITY

State CALIFORNIA

General locality SAN DIEGO

Locality IMPERIAL BEACH

~~1960-10/6/63~~

CHIEF OF PARTY

FRED NATELLA, CHIEF OF PARTY

P. A. STARK, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

11892

DESCRIPTIVE REPORT - DATA RECORD

T = 11892

PROJECT NO. (II):			
21033			
FIELD OFFICE (II):		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):			
KELGH INSTRUMENT			
MANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6000	
1:10,000		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: 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	
REFERENCE STATION (III):			
BASIN, 1933			
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
32° 35' 25.258"	117° 06' 50.932"		
PLANE COORDINATES (IV):		STATE	ZONE
Y = 115,258.19	X = 1,733,818.10	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 (III): 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 5-2-63-
PROJECTION AND GRIDS CHECKED BY (IV): L. F. BEUGNET		DATE 5-3-63
CONTROL PLOTTED BY (III): J. L. HARRIS		DATE 7-22-64
CONTROL CHECKED BY (III): L. L. RIGGERS		DATE 7-22-64
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. P. EICHERT		DATE JUNE 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. L. GRAVES	DATE 9-3-64
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): L. L. GRAVES STICK-UP: L. L. GRAVES		DATE 10-15-64 11-9-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH; DRAFT: J. L. HARRIS ADVANCE: C. C. HARRIS & R. H. MEYER		DATE 9-11-64 11-17-64
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 711A THRU 714A RATIO PRINTS OF ABOVE AT 1:10,000	9-3-60	09:18	1:30,000	4.8' ABOVE M.L.L.W.
60 S 718A THRU 721A RATIO PRINTS OF ABOVE AT 1:10,000	9-3-60	09:30	1:20,000	4.6' " "
60 S 564A THRU 571A RATIO PRINTS OF ABOVE AT 1:5000	9-2-60	11:30	1:10,000	2.0' " "

TIDE (III)

DIURNAL

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
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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 (III): 30

RECOVERED: 7

IDENTIFIED: 1

NUMBER OF BM(S) SEARCHED FOR (II): NONE

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 2

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): NONE

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11892

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-11892

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-11892

PROJECT 21033

31. COMPILATION:

THE KELSH INSTRUMENT WAS USED TO COMPILE THE PLANIMETRY ON THIS MANUSCRIPT. THE NEW DIKE IN SAN DIEGO BAY AT APPROXIMATELY $32^{\circ} 36' 45''$ CONSTRUCTED SINCE THE DATE OF PHOTOGRAPHY WAS LOCATED BY THEODOLITE FIXES.

32. CONTROL:

REFER TO THE COMPILATION REPORT FOR T-11879.

33. SUPPLEMENTARY DATA:

NONE.

34. CONTOURS AND DRAINAGE:

REFER TO THE COMPILATION REPORT FOR T011883.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE WAS COMPILED AS FIELD INSPECTED. A NEW GROIN AT IMPERIAL BEACH WAS DELINEATED. A SUNKEN BARGE, EAST OF THE NEWLY CONSTRUCTED DIKE IN SAN DIEGO BAY WAS LOCATED IN THE FIELD BY THEODOLITE FIX. THE CHARACTER OF THE FORESHORE AREA HAS BEEN INDICATED BY SYMBOL OR LEGEND. NO LOW WATER LINE WAS SHOWN.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

ONE AERONAUTICAL AID AND TWO LANDMARKS ARE SHOWN ON THIS MANUSCRIPT. FORMS 567 ARE SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11893 TO THE SOUTH AND WITH T-11882 AND T-11883 TO THE NORTH. THERE IS NO CONTEMPORARY SURVEY TO THE EAST. THE PACIFIC OCEAN IS ON THE WEST.

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

COMPARISON WAS MADE WITH THE U.S.G.S. $7\frac{1}{2}$ 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. $33^{\circ} 20'$, 6TH EDITION, REVISED 9-24-62; AND WITH CHART 5107, SCALE 1:20,000 AT LAT. $32^{\circ} 40'$, 23RD EDITION, NOV. 12, 1962.

SUBMITTED:

James L. Harris
JAMES L. HARRIS
CARTOGRAPHER

APPROVED:

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

48. GEOGRAPHIC NAME LIST:

BELOW IS AN ALPHABETICAL LIST OF THE GEOGRAPHIC NAMES ON THIS MAP. THESE NAMES WERE UNDERLINED ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. 7½ MINUTE SAN YSIDRO, CALIFORNIA QUADRANGLE WHICH WAS FURNISHED BY THE WASHINGTON OFFICE.

CHULA VISTA
CORONADO HEIGHTS
FRUITDALE
IMPERIAL BEACH
OTAY RIVER
PACIFIC OCEAN
PENINSULA OF SAN DIEGO
SAN DIEGO BAY
SILVER STRAND STATE PARK

Names approved

8-3-65

A. J. Wraight

49. NOTES FOR THE HYDROGRAPHER:

THREE WRECKS ARE SHOWN ON SOUTH SAN DIEGO BAY ON NAUTICAL CHART 5107, 23RD EDITION, NOV. 12, 1962. THESE WRECKS WERE NOT IDENTIFIED BY THE FIELD PARTY AND SHOULD BE INVESTIGATED BY THE HYDROGRAPHER.

PHOTOGRAMMETRIC OFFICE REVIEW

T-16943 11892

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 ✓	
16. AIDS TO NAVIGATION ✓		17. LANDMARKS ✓		18. OTHER ALONGSHORE PHYSICAL FEATURES ✓		19. OTHER ALONGSHORE CULTURAL FEATURES ✓	
PHYSICAL FEATURES							
20. WATER FEATURES ✓			21. NATURAL GROUND COVER ✓			22. PLANETABLE CONTOURS Not Applicable	
23. STEREOSCOPIC INSTRUMENT CONTOURS Not Applicable		24. CONTOURS IN GENERAL Not Applicable		25. SPOT ELEVATIONS None		26. OTHER PHYSICAL FEATURES ✓	
CULTURAL FEATURES							
27. ROADS ✓		28. BUILDINGS ✓		29. RAILROADS ✓		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 James L. Harris				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							

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

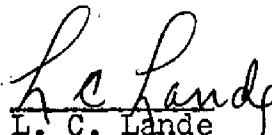
5101	1:234,270	April 1965
5105	1:12,000	1962
5107	1:20,000	1964

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

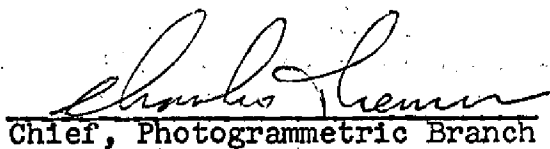
66. Adequacy of Results and Future Surveys

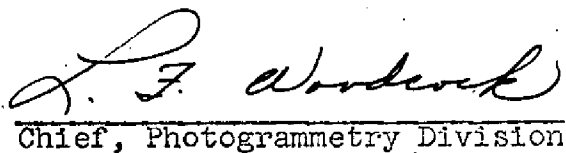
These surveys were prepared according to project instructions, and comply with the National Standards of Map Accuracy.

Reviewed by:


L. C. Lande

Approved by:


Chief, Photogrammetric Branch


Chief, Photogrammetry Division

Chief, Nautical Chart Division

