

11883

orig

Diag. Cht. No. 5101-2.

Form 504	
U. S. DEPARTMENT OF COMMERCE	
COAST AND GEODETIC SURVEY	
DESCRIPTIVE REPORT	
Type of Survey <u>SHORELINE (PHOTOGRAMMETRIC)</u>	
Field No. <u>PH 6011</u>	Office No. <u>T-11883</u>
LOCALITY	
State <u>CALIFORNIA</u>	
General locality <u>SAN DIEGO</u>	
Locality <u>CHULA VISTA</u>	
<u>1960-1961</u>	
CHIEF OF PARTY	
FRED NATELLA, CHIEF OF PARTY	
P. A. STARK, PHOTOGRAMMETRIC OFFICE	
LIBRARY & ARCHIVES	
DATE _____	

USCOMM-DC 5087

30311

DESCRIPTIVE REPORT - DATA RECORD

T - 11883

PROJECT NO. (II):

21033

FIELD OFFICE (II):

OCEANSIDE, CALIFORNIA

CHIEF OF PARTY

FRED NATELLA

PHOTOGRAMMETRIC OFFICE (III):

PORTLAND, OREGON

OFFICER-IN-CHARGE

P. A. STARK

INSTRUCTIONS DATED (II) (III):

DECEMBER 20, 1960 11,111
 AMENDMENT 1: AUGUST 31, 1961 11,111
 AMENDMENT 1: APRIL 25, 1963 111
 AMENDMENT 2: OCTOBER 1, 1963 111

METHOD OF COMPILATION (III):

KELSH INSTRUMENT

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:7000

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):

N.A. 1927

VERTICAL DATUM (III):

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):

COTTONSEED, 1933

LAT.:

32° 38' 23.734"

LONG.:

117° 06' 48.143"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

Y = 173,293.41

X = 1,734,206.09

STATE

CALIFORNIA

ZONE

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 APR. 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): FIELD INSPECTION JANUARY - FEBRUARY 1963 COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A. ROUNDTREE		DATE 10-17-63
PROJECTION AND GRIDS CHECKED BY (IV): R. KORNSPAN		DATE 10-18-63
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 R. H. MEYER	DATE 9-9-64
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): C. C. HARRIS STICK-UP: C. C. HARRIS		DATE 10-15-64 11-12-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: J. L. HARRIS ADVANCE: L. L. GRAVES		DATE 9-21-64 10-16-64
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 727A AND 728A	9-3-60	09:50	1:36,000	4.2' ABOVE M.L.L.W.
60 S 579A THRU 586A	9-2-60	11:30	1:10,000	1.9' " "
649A AND 650A	"	12:07	"	1.7' " "
RATIO PRINTS OF ABOVE AT 1:5000				

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): 25	RECOVERED: 5	IDENTIFIED: 4		
NUMBER OF BM(S) SEARCHED FOR (II): SEE FIELD INSP. REPORT	RECOVERED:	IDENTIFIED		
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 3				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): NONE				

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11883

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-11883

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-11883

PROJECT 21033

31. DELINEATION:

PLANIMETRY WAS COMPILED BY USE OF THE KELSH INSTRUMENT WITH THE EXCEPTION OF THE NEW FILL AREA LOCATED BY PLANETABLE SHOWN NEAR THE SOUTHERN BORDER OF THE MANUSCRIPT. THIS PLANETABLE WORK WAS DONE BY THE FIELD PARTY DIRECTLY ON A 1:5000 RATIO PRINT AND PROJECTED DURING COMPILATION TO THE MANUSCRIPT FOR DELINEATION. THE SAME METHOD WAS USED TO LOCATE AND DELINEATE THE NEW PIER AND ADJACENT SUBMERGED PIPELINE AT 32° 39' 25".

32. CONTROL:

REFER TO THE COMPILATION REPORT FOR T-11879.

33. SUPPLEMENTARY DATA:

NONE.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

DRAINAGE WAS COMPILED AS FIELD INSPECTED. THIS IS IN GENERALLY GOOD AGREEMENT WITH THE DRAINAGE SHOWN ON THE U.S.G.S. QUADRANGLE OF THE AREA.

35. SHORELINE AND ALONGSHORE DETAILS:

FIELD INSPECTION WAS ADEQUATE TO COMPILE THE SHORELINE. NUMEROUS DOLPHINS IN THE VICINITY OF THE SEVERAL PIERS WERE IDENTIFIED AND HAVE BEEN SHOWN. TWO WRECKS ARE SHOWN AT APPROXIMATELY 32° 38'. NO LOW WATER LINE WAS SHOWN.

36. OFFSHORE DETAILS:

SEVERAL MARKERS, INDICATING THE LIMITS OF THE SEAPLANE LANE, WERE LOCATED AS IDENTIFIED.

37. LANDMARKS AND AIDS:

THREE LANDMARKS ARE SHOWN ON THIS MANUSCRIPT. FORM 567 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11892 TO THE SOUTH AND WITH T-11882 TO THE WEST.

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

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

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH NAUTICAL CHART 5105, SCALE 1:12,000 AT LAT. 32° 42', 10TH EDITION, FEBRUARY 12, 1962, REVISED 2-11-63, AND WITH NAUTICAL CHART 5107, SCALE 1:20,000 AT LAT. 32° 40', 23RD EDITION, NOV. 12, 1962.

SUBMITTED:

James L. Harris
JAMES L. HARRIS
CARTOGRAPHER

APPROVED:

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

DESCRIPTIVE REPORT CONTROL RECORD

SCALE FACTOR

[illegible]

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES SHOWN ON THIS MANUSCRIPT ARE LISTED BELOW
AND WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET,
A COPY OF THE U.S.G.S. 7 $\frac{1}{2}$ MINUTE, NATIONAL CITY, CALIFORNIA QUAD-
ANGLE, SCALE 1:24,000, EDITION 1953.

CHULA VISTA
NATIONAL CITY
PARADISE CREEK
SAN DIEGO
SAN DIEGO BAY
SEVENTH ST. CHANNEL
SWEETWATER RIVER

Names approved
8-3-65
A. J. Wright

49. NOTES FOR THE HYDROGRAPHER:

ON NAUTICAL CHART 5105, REVISED 2-11-63, FOUR WRECKS ARE SHOWN ON THE SHORELINE AT LAT. 32° 39' 25". APPARENTLY A NEW PIER HAS BEEN CONSTRUCTED AT THIS LOCATION AND THE HYDROGRAPHER SHOULD DETERMINE IF THESE WRECKS ARE STILL A NAVIGATION OBSTRUCTION.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 11883

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 ✓	9. PLOTTING OF SEXTANT FIXES None	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 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 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 None		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			

**TO BE CHARTED
TO BE REVISED
TO BE DELETED**

Portland, Oregon

14 Oct. 1964 19

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

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

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.

*** TABULATE SECONDS AND METERS**

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

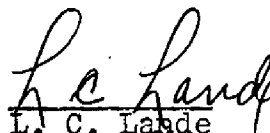
5101	1:234,270	April 1965
5105	1:12,000	1962
5107	1:20,000	1964

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

66. Adequacy of Results and Future Surveys

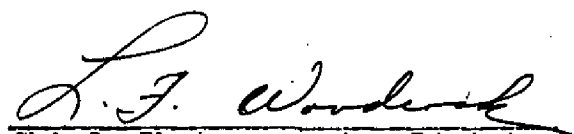
These surveys were prepared according to project instructions, and comply with the National Standards of Map Accuracy.

Reviewed by:


L. C. Lande

Approved by:


Chief, Photogrammetric Branch


Chief, Photogrammetry Division

Chief, Nautical Chart Division

