

11880

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-11880

LOCALITY

State CALIFORNIA

General locality SAN DIEGO

Locality CORONADO

1960-1963

CHIEF OF PARTY

FRED NATELLA, CHIEF OF PARTY

P. A. STARK, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

DATE _____

USCOMM-DC 5087

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 11880

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 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):

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):

SAN DIEGO, ZERO MILESTONE, 1923

LAT.:

32° 42' 55.440"

LONG.:

117° 09' 37.714"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

y = 1,722,406.17

x = 198,050.98

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: MAR. - MAY 1962 OCT. 1962 - 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 10-15-63
PROJECTION AND GRIDS CHECKED BY (IV): R. KORNSPAN		DATE 10-16-63
CONTROL PLOTTED BY (III): J. L. HARRIS		DATE 6-23-64
CONTROL CHECKED BY (III): R. M. MEYER		DATE 6-23-64
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. P. EICHERT		DATE JUNE 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY L. L. GRAVES	DATE 7-14-64
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): J. L. HARRIS STICK-UP: C. C. HARRIS		DATE 10-8-64 10-30-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: J. L. HARRIS SCRIBING: L. L. GRAVES		DATE 9-4-64 10-15-64
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 553A THRU 555A	9-2-60	11:27	1:10,000	1.9' ABOVE M.L.L.W.
850A THRU 658A	"	12:06	"	1.7' " "
662A AND 663A	"	12:11	"	1.6' " "
671A THRU 673A	"	12:15	"	1.6' " "
609A AND 610A	"	11:46	"	1.8' " "
RATIO PRINTS OF ABOVE AT 1:5000				
60 S 725A AND 737A	9-3-60	10:00	1:38,000	4.1' " "

TIDE (III)

DIURNAL

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SAN DIEGO, CALIFORNIA		4.2	5.8
SUBORDINATE STATION: POINT LOMA, CALIFORNIA		3.7	5.3
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 42

RECOVERED: 25

IDENTIFIED: 9

NUMBER OF BM(S) SEARCHED FOR (II):

SEE FIELD INSPECTION REPORT

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 16

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

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11880

PROJECT 21033

REFER TO THE FIELD INSPECTION REPORT BY ROBERT B. MELBY FOR T-11879
THRU T-11883, T-11892 AND T-11893 DATED OCTOBER 1962 THRU APRIL 1963,
INCLUDED WITH THE DESCRIPTIVE REPORT FOR T-11879.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11880

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-11880

PROJECT 21033

31. DELINEATION:

THE KELSH INSTRUMENT WAS USED TO COMPILE THE PLANIMETRY AS FIELD INSPECTED.

32. CONTROL:

ADEQUATE SUPPLEMENTARY CONTROL, BASED ON IDENTIFIED HORIZONTAL STATIONS, WAS ESTABLISHED BY AEROTRIANGULATION.

33. SUPPLEMENTAL DATA:

THE PLAN OF THE 10TH AVE. MARINE TERMINAL UTILITIES, FURNISHED BY THE PORT OF SAN DIEGO, WAS USED TO DELINEATE STRUCTURES ON THIS PIER.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE IS SHOWN ON THIS MANUSCRIPT.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE AND NUMEROUS ALONGSHORE CULTURAL FEATURES WERE COMPILED AS INDICATED ON THE 1:5000 RATIO PRINTS. A SUBMERGED WRECK WAS LOCATED BY DISTANCE AND DIRECTION FROM A FIELD IDENTIFIED SUB POINT. NO LOW WATER LINE WAS SHOWN.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

ELEVEN LANDMARKS, FOUR NON-FLOATING AIDS AND ONE AERONAUTICAL AID ARE SHOWN ON THIS MANUSCRIPT AND HAVE BEEN RECOMMENDED FOR CHARTING. FORMS 567 ARE SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11882 TO THE SOUTH AND WITH T-11879 TO THE WEST. THERE ARE NO CONTEMPORARY SURVEYS TO THE NORTH OR TO THE EAST.

40. HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. $7\frac{1}{2}$ MINUTE POINT LOMA, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH NAUTICAL CHART 5101, SCALE 1:234, 270 AT LAT. $33^{\circ} 20'$, 6TH EDITION, OCT. 2, 1961, REVISED 9-24-64; WITH NAUTICAL CHART 5105, SCALE 1:12,000 AT LAT. $32^{\circ} 42'$, 10TH EDITION, FEBRUARY 12, 1962, REVISED 2-11-63; AND WITH NAUTICAL CHART 5107, SCALE 1:20,000 AT LAT. $32^{\circ} 40'$, 23RD EDITION, NOV. 12, 1962.

APPROVED:

for *Les F. Baugnot*
P. A. STARK, CDR, C&GS
PORTLAND FIELD OFFICER

SUBMITTED:

James L. Harris
JAMES L. HARRIS
CARTOGRAPHER

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 11880 PROJECT NO. 21033 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 meter) FORWARD (BACK)
ALAMEDA, 1939	P.C. 59	N.A. 1927	195,202.79	
BALBOA PARK, HIGHEST TOWER, 1916	P.C. 26	"	1,713,255.49	
CIVIC BUILDING, 1945	P.C. 110	"	206,739.28	
CORONADO, CALIFORNIA WATER AND TELEPHONE CO., TANK, 1954	P.C. 171	"	1,722,804.55	
LINDBERGH, 1933	P.C. 23	"	203,267.97	
SAN DIEGO, AMERICAN AGAR CO., CHIMNEY, 1933	P.C. 88	"	1,716,673.85	
SAN DIEGO, BANK OF AMERICA BUILDING, CUPOLA, 1933	P.C. 88	"	194,464.48	
SAN DIEGO, EL CORTEZ HOTEL, FLAGPOLE, 1933	P.C. 30	"	1,716,920.07	
SAN DIEGO GAS AND ELECTRIC COMPANY, NORTH STACK, GROUP OF SEVEN, 1933	P.C. 27	"	205,878.61	
SAN DIEGO, MEDICO-DENTAL BLOG., FLAGPOLE, 1933	P.C. 27	"	1,712,821.07	
SAN DIEGO, MEMORIAL JUNIOR HIGH SCHOOL, FLAGPOLE, 1933	P.C. 28	"	210,463.75	
SAN DIEGO, PALOMAR LAUNDRY, SILVER STACK, 1933	A.C. 88-26	"	1,713,122.67	
			200,875.56	
			1,720,729.72	
			202,627.41	
			1,721,018.38	
			200,776.10	
			1,717,395.39	
			202,030.67	
			1,719,676.01	
			194,334.80	
			1,728,578.75	
			210,759.13	
			1,713,953.20	

COMPUTED BY

L.L.G.

DATE

6-18-64

CHECKED BY

R.H.M.

DATE

6-19-64

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 11880 PROJECT NO. 21033 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)
SAN DIEGO, PICKWICK HOTEL, EAST RADIO TOWER, 1933	P.C. 26 P.C. 88	N.A. 1927	201,066.51 1,719,128.76	
SAN DIEGO, PICKWICK HOTEL, WEST RADIO TOWER, 1933	P.C. 26 P.C. 88	"	201,067.09 1,718,970.78	
SAN DIEGO, SANTA FE DEPOT, WEST TOWER, 1933	P.C. 26 P.C. 88	"	201,234.54 1,717,386.11	
SAN DIEGO, STUCCO BLDG. AT END OF PIER, CUPOLA, 1933	P.C. 88	"	201,011.90 1,715,257.90	
SAN DIEGO, TENTH AVENUE PIER, N.W. LIGHT, 1963	FIELD COMP.	"	195,540.77 1,719,929.92	
SAN DIEGO, TENTH AVENUE PIER, S.E. LIGHT, 1963	FIELD COMP.	"	193,888.95 1,721,907.96	
SAN DIEGO, U.S. GRANT HOTEL, EAST RADIO TOWER, 1933	P.C. 26	"	201,144.66 1,719,969.72	
SAN DIEGO, U.S. GRANT HOTEL, S.W. CORNER, 1908	P.C. 106	"	201,005.34 1,719,789.41	
SAN DIEGO, U.S. GRANT HOTEL, WEST RADIO TOWER, 1933	P.C. 26	"	201,144.85 1,719,809.67	
SAN DIEGO, WESTGATE-CALIFORNIA BUILDING, FLAGSTAFF, 1963	FIELD COMP.	"	201,123.26 1,719,389.99	13
SAN DIEGO, ZERO MILESTONE, 1933	P.C. 106	"	200,875.83 1,719,945.32	
SOUTH SAN DIEGO, LARGEST GAS TANK, 1933	P.C. 88	"	198,050.98 1,722,406.17	
COMPUTED BY L.L.G.	DATE 6-18-64	CHECKED BY R.H.M.	DATE 6-19-64	

DESCRIPTIVE REPORT CONTROL RECORD

MAP T- 11880 PROJECT NO. 21033 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 meter)	
				FORWARD	(BACK)
SAN DIEGO, U.S. NAVAL HOSPITAL, STACK, '1933	P.C. 27	N.A. 1927	204,128.74 1,724,378.11		

DATE 6-23-64

CHECKED BY J.L.H.

DATE 6-19-64

REPORTED BY R.H.M.

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. POINT LOMA, CALIFORNIA 7 $\frac{1}{2}$ MINUTE QUAD-
ANGLE, SCALE 1:24,000, EDITION 1953.

CORONADO
INDIAN POINT
SAN DIEGO
SAN DIEGO BAY

Names approved
8-3-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363-11880

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. None	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 ✓	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			

14 October 19 64

mine their value as landmarks be

P. A. Stark				Chief of Party.	
METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION OR Verification	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
Tr. 1954	2-13-63	X			5105, 5107
T-11880					
Tr. 1933	2-14-63	X			5107
T-11880					
Tr. 1945			X	X	5101
T-11880	"	X			5105, 5107
otoComp	"	X			5105, 5107
T-11880					
Tr. 1933	2-19-63	X			" "
T-11880					
	"	X	X	X	" "
	"				
"	"	X		X	5101
					5105, 5107
"	"	X			
"	"	X		X	DO

clusive, and Fig. 79. Positions of charted old and new positions. The data should be given.

OR CHARTS

Portland, Oregon 14 Oct. 1964

seaward to determine their value as landmarks be

P. A. Stark	Chief of Party.
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9, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted shall show both the old and new positions. The data should be column heading should be given.

USCOMM-DC 10284-P81

64

29

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5107

0

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0

itted
be

1-P81

T-11880

Portland, Oregon 14 Oct. 1964

(~~inspected~~) been inspected from seaward to determine their value as landmarks be

by J. L. Harris

P. A. Stark	Chief of Party.
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Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted will be reported on this form. Revisions shall show both the old and new positions. The data should be given. 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

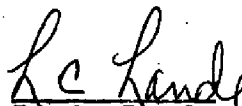
5101	1:234,270	April 1965
5105	1:12,000	1962
5107	1:20,000	1964

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

Approved by:


Chief, Photogrammetric Branch


Chief, Photogrammetry Division

Chief, Nautical Chart Division

