

11876

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-11876

LOCALITY

State CALIFORNIA

General locality DANA POINT TO MISSION BAY

Locality LA JOLLA

1960-1962

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

11876

DESCRIPTIVE REPORT - DATA RECORD
T- 11876

PROJECT NO. (II):

21033

FIELD OFFICE (II):

OCEANSIDE, CALIFORNIA

CHIEF OF PARTY

FRED NATELLA

UNIT CHIEF

R. B. MELBY

PHOTOGRAMMETRIC OFFICE (III):

PORTLAND, OREGON

OFFICER-IN-CHARGE

FRED NATELLA

INSTRUCTIONS DATED (II) (III): 20 Dec. 1960
 AMENDMENT I: 31 Aug. 1961 II, III
 AMENDMENT I: 25 APRIL 1963 III
 AMENDMENT II: 1 Oct. 1963 III

METHOD OF COMPILATION (III):

KELSH INSTRUMENT

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 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):

N.A. 1927

VERTICAL DATUM (III):

MEAN SEA LEVEL EXCEPT AS FOLLOWS: X
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):

ROOF, 1933

LAT.:

32° 50' 50/681"

LONG.:

117° 16' 37.804"

 ADJUSTED UNADJUSTED

PLANE COORDINATES (IV):

= 240,594.24

x = 1,683,956.33

STATE

CALIFORNIA

ZONE

VI

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: SEPT. 1961 - MARCH 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): FEBRUARY 1962 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 5-2-63
PROJECTION AND GRIDS CHECKED BY (IV): L.F.B.		DATE 5-3-63
CONTROL PLOTTED BY (III): R. H. MEYER		DATE 5-23-63
CONTROL CHECKED BY (III): D. N. WILLIAMS		DATE 5/23/63 7-12-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): HENRY P. EICHERT		DATE APRIL 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 7-12-63
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): SMOOTH DRAFT: L. L. GRAVES		DATE 11-14-63
SCRIBING BY (III): STICK-UP: C. C. HARRIS		DATE 1-15-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: J. L. HARRIS ADVANCE: J. L. HARRIS		DATE 10-30-63 1-22-64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS SINGLE LENS "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 S 466A THRU 467A	9-2-60	09:38	1:20,000	3.1' ABOVE M.L.L.W.
60 S 469A THRU 472A	"	09:44	"	3.1' " "
60 S 488A THRU 491A	"	10:00	1:30,000	2.8' " "
60 S 497A THRU 500A	"	10:10	"	2.6' " "
RATIO PRINTS OF ABOVE AT 1:10,000.				
COMPUTED FROM PREDICTED TIDE TABLES.				

TIDE (III)

		RATIO OF RANGES	MEAN RANGE	DIURNAL RANGE
REFERENCE STATION:	SAN DIEGO, CALIFORNIA		4.2	5.8
SUBORDINATE STATION:	LA JOLLA (SCRIPPS INSTITUTION WHARF)		3.6	5.2
SUBORDINATE STATION:				
WASHINGTON OFFICE REVIEW BY (IV):		DATE:		
PROOF EDIT BY (IV):		DATE:		
NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II):	20	RECOVERED: 15	IDENTIFIED: 0	
NUMBER OF BM(S) SEARCHED FOR (II):	7	RECOVERED: 6	IDENTIFIED: 1	
NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): NONE				
NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): NONE				

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11876

PROJECT 21033

REFER TO THE FIELD INSPECTION REPORT BY ROBERT B. MELBY FOR
T-11864 THRU T-11877, SEPTEMBER 1961 - MARCH 1962 INCLUDED WITH THE
DESCRIPTIVE REPORT FOR T-11864.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11876

PROJECT 21033

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT No. 1 BY HENRY P.
EICHERT, APRIL 1963 AND INCLUDED WITH THE DESCRIPTIVE REPORT FOR
T-11864.

MAP T. 11876 PROJECT NO. 21033 SCALE OF MAP 1:10,000 SCALE FACTOR VI

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
BENKLY, 1933	P-25	N.A. 1927	240,594.24 1,683,956.33							
BISHOPS DOME, 1933	P-24	"	247,106.99 1,684,245.25							
EASTER CROSS & (NEW) 1955	P-101	"	246,354.68 1,694,745.98							
KNOLL 3, 1955	P-25	"	236,606.22 1,690,246.04							
LA JOLLA, FLAGPOLE NEAR MOSS, 1933	P-31	"	241,597.41 1,687,391.33							
LA JOLLA, ST. JAMES BY-THE-SEA EPISCOPAL CHURCH, CROSS, 1933	P-31	"	248,217.74 1,684,799.27							
LA JOLLA, OBSERVATORY TOWER, 1933	P-30	"	247,043.71 1,690,614.20							
LA JOLLA, VALENCIA HOTEL, DOME, 1933	P-30	"	249,690.62 1,685,901.75							
ROOF, 1933	P-25	"	249,237.40 1,684,526.21							
SOLEDAD, 1887	P-240	"	246,396.13 1,692,347.68							19.
TANK, 1933	P-25	"	247,095.91 1,690,724.19							
VIEW, 1933	P-25	"	258,407.50 1,692,925.77							

COMPILATION REPORT

MAP MANUSCRIPT T-11876

PROJECT 21033

ITEMS 31 AND 32:

REFER TO THE COMPILATION REPORT FOR T-11864.

33. SUPPLEMENTAL DATA:THE FOLLOWING ARE NUMBERS OF MAPS, SCALE 1 INCH = 400 FEET,
ISSUED BY THE CITY ENGINEER'S OFFICE OF THE CITY OF SAN DIEGO.

234-1683; 234-1689; 242-1683; 242-1689; 250-1689.

ITEMS 34 AND 35:

REFER TO THE COMPILATION REPORT FOR T-11864.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:FOUR TRIANGULATION STATIONS HAVE BEEN RECOMMENDED FOR CHARTING
AS LANDMARKS. FORM 567 IS SUBMITTED:38. CONTROLS FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:SATISFACTORY JUNCTIONS WERE MADE WITH T-11875 TO THE NORTH AND
WITH T-11877 TO THE SOUTH. THERE IS NO CONTEMPORARY SURVEY ON 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. LA JOLLA, CALIFORNIA
QUADRANGLE, SCALE 1:24,000, EDITION 1953.1

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH NAUTICAL CHART 5101, SCALE 1:234,270
AT LAT. 33° 20', 5TH EDITION, JA. 6, 1947, REVISED 5-18-59.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:


JAMES L. HARRIS
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES ON THIS MAP ARE LISTED BELOW AND WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. LA JOLLA, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1953.

ALLIGATOR HEAD
BIRD ROCK
BOOMER BEACH
CASA COVE
CASA POOL
CITY OF SAN DIEGO
GOLDFISH POINT
LA JOLLA
LA JOLLA BAY
LA JOLLA CAVES
PACIFIC OCEAN
POINT LA JOLLA
ROCKY POINT
SCRIPPS INSTITUTION OF OCEANOGRAPHY
SEAL BEACH
SHELL BEACH
SOLEDAD MOUNTAIN
THE COVE
WHALE VIEW POINT
WINDANDBEA BEACH

*Names checked
and approved*

7-3-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10000-11876

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) None			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 ✓				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-11870 through T-11877
August 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 aero-nautical charting program.

62. Comparison with Registered Topographic Surveys

T-5374	1:10,000	1934
T-5375	1:10,000	1934
T-5410	1:10,000	1934
T-5411	1:10,000	1934
T-5412	1:10,000	1934
T-5413	1:10,000	1934

There are cultural and shoreline differences due, in the most part, to the time interval.

63. Comparison with Maps of Other Agencies

Oceanside	1:24,000	1947
San Luis Rey	1:24,000	1948
Encinitas	1:24,000	1948
Del Mar	1:24,000	1953
La Jolla	1:24,000	1953

Due to new construction there are cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

5101	1:234,270	1965
5107	1:20,000	1964

See item 47

66. Adequacy of Results and Future Surveys

These maps were prepared according to project instructions and are of standard map accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles H. ...
Chief, Photogrammetric Branch

L. J. Woodcock
Chief, Photogrammetry Division

Chief, Nautical Chart Division

RECOMMENDING COMMISSION LANDMARKS FOR CHARTS

TO BE CHARTED
FOR REVISION
OR DELETION
STRIKE OUT TWO

PORTLAND, OREGON 29 JAN, 19 64

I recommend that the following objects which have (*have not*) been inspected from seaward to determine their value as landmarks be charted on (*deleted from*) the charts indicated.

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

FRED NATELLA *Chief of Party*

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE		LONGITUDE							
				°	'	°	'						
CALIFORNIA													
DOME	BISHOPS COME, 1933	HT=102' (176')		32	50	29.575	117	16	40.851	N.A.	11-20-61	X	5101
TOWER	TOWER (LA JOLLA, VALENCIA HOTEL DOME, 1933)	HT=95' (193')		32	50	55.289	117	16	21.734	"	11-29-61	X	X ²
TV MAST	SAN DIEGO, TELEVISION STATION	KFMB, MAST, 1962	HT=287' (1050')	32	50	17.565	117	14	56.204	"	2-20-62	X	"
TV MAST	SAN DIEGO, TELEVISION STATION	KOGO, MAST, 1962	HT=250' (1050')	32	50	541.1	117	14	1461.7	"	"	X	"
						20.453			56.344				
						630.1			1465.3				

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

