

11866

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-11866

LOCALITY

State CALIFORNIA

General locality DANA POINT TO MISSION BAY

Locality SAN CLEMENTE

1960 - 1962

CHIEF OF PARTY

FRED NATELLA, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

SEP 22 1965

DATE

11866

DESCRIPTIVE REPORT - DATA RECORD

T - 11866

PROJECT NO. (II):			
21033			
FIELD OFFICE (II):		CHIEF OF PARTY	
OCEANSIDE, CALIFORNIA		FRED NATELLA R. B. MELBY	
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE	
PORTLAND, OREGON		FRED NATELLA	
INSTRUCTIONS DATED (II) (III): 20 Dec. 1960			
AMENDMENT I: 31 Aug. 1961 II, III			
AMENDMENT I: 25 Apr. 1963 III			
AMENDMENT II: 1 Oct. 1963 III			
METHOD OF COMPILATION (III):			
KELBH 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: <input checked="" type="checkbox"/> X Elevations shown as (25) refer to mean high water Elevations shown as (S) refer to sounding datum i.e., mean low water or mean lower low water	
REFERENCE STATION (III):			
MEDIO, 1886			
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
33° 22' 59.194"	117° 35' 01.004"		
PLANE COORDINATES (IV):		STATE	ZONE
= 445,196.37	x = 1,592,905.48	CALIFORNIA	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): ROBERT B. MELBY		DATE: SEPT. 1961 - MARCH 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): OCTOBER, 1961 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 4-11-63
PROJECTION AND GRIDS CHECKED BY (IV): L.F.B.		DATE 4-12-63
CONTROL PLOTTED BY (III): D. N. WILLIAMS		DATE 4-18-63
CONTROL CHECKED BY (III): R. H. MEYER		DATE 4-18-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): HENRY P. EICHERT		DATE APRIL, 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY R. H. MEYER	DATE 5-17-63
	CONTOURS NONE	DATE
MANUSCRIPT DELINEATED BY (III): SMOOTH DRAFT: C. C. HARRIS		DATE 6-25-63
SCRIBING BY (III): STICK-UP: C. C. HARRIS		DATE 11-18-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: C. C. HARRIS ADVANCE: J. L. HARRIS		DATE 6-7-63 1-3-64
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 540A THRU 542A	9-2-60	11:05	1:30,000	1.9' ABOVE M.L.L.W.
60 S 409A THRU 412A	"	08:55	1:20,000	3.7' " "
RATIO PRINTS OF ABOVE AT 1:10,000				
				COMPUTED FROM PRE-DICTED TIDE TABLES.

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	D IURNAL RANGE
REFERENCE STATION: SAN DIEGO, CALIFORNIA		4.2	5.8
SUBORDINATE STATION: SAN CLEMENTE, 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): 17

RECOVERED: 14

IDENTIFIED: 1

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-11866

PROJECT 21033

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

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11866

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-11866 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	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)	FORWARD	(BACK)	FORWARD	(BACK)
AIRWAY NO. 5, 1932	P-90	N.A. 1927	447,093.27 1,589,548.77						
CAMP JOSEPH H. PEN- DLETON BOUNDARY LINE WITNESS MONU- MENT (USN) 1961	Office Comp.	"	447,157.60 1,589,471.31						
CHIMNEY, LONE WHITE HOUSE BACK OF SAN CLEMENTE, 1933	P-94	"	463,783.80 1,585,000.28						
CLEMENTE, 1933	P-90	"	462,755.49 1,589,121.45						
BEACON NO. 5, 1933	P-95	"	445,262.25 1,593,009.87						
COUNTY LINE SERVICE STATION, CHIMNEY, 1933	P-95	"	450,441.48 1,590,202.60						
CUPOLA, RED ROOFED HOUSE EAST OF SAN MATEO PT., 1933	P-94	"	453,777.79 1,586,243.43						
GREEN RIDGE, 1884	P-91	"	461,194.97 1,587,329.21						
MEDIO, 1866	P-91	"	445,196.37 1,592,905.48						
SAN CLEMENTE HOTEL, TOWER 1933	P-94	"	461,343.10 1,584,212.88						
SAN MATEO ROCK, 1933	P-93	"	453,211.04 1,582,999.51						

COMPILATION REPORT
MAP MANUSCRIPT T-11866
PROJECT 21033

ITEMS 31 AND 32:

REFER TO THE COMPILATION REPORT FOR T-11864.

33. SUPPLEMENTAL DATA:

MAP OF SAN CLEMENTE STATE PARK.

MAP OF CITY OF SAN CLEMENTE.

ITEMS 34 AND 35:

REFER TO THE COMPILATION REPORT FOR T-11864.

36. OFFSHORE DETAILS:

A SMALL GROUP OF BARING ROCKS ABOUT 700 METERS OFFSHORE, KNOWN AS SAN MATEO ROCKS, WAS IDENTIFIED BY THE FIELD PARTY AND LOCATED DURING COMPILATION.

37. LANDMARKS AND AIDS:

TWO LANDMARKS ARE SHOWN ON THIS MAP. FORM 567 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11865 TO THE WEST AND WITH T-11867 TO THE SOUTH. THERE ARE NO CONTEMPORARY SURVEYS TO THE NORTH OR 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 SAN CLEMENTE, 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. $33^{\circ} 20'$, 5TH EDITION, JAN. 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 MANUSCRIPT ARE LISTED BELOW AND WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. SAN CLEMENTE, CALIFORNIA 7½ MINUTE QUADRANGLE, SCALE 1:24,000, EDITION 1948.

GULF OF SANTA CATALINA
PACIFIC OCEAN
SAN CLEMENTE
SAN CLEMENTE STATE PARK
SAN MATEO CREEK
SAN MATEO POINT
SAN MATEO ROCKS
SAN ONOFRE
SAN ONOFRE CREEK
SEGUNDA DESHECHA CANADA

*Names checked + approved
8-3-65*

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10863 11866

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 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 <i>Carita C. Harris</i>				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-11864 through T-11869
July 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 and harbor maps for our nautical and aeronautical charting programs.

62. Comparison with Registered Topographic Surveys

T-5413	1:10,000	1934
T-5414	1:10,000	1934
T-5415	1:10,000	1934
T-5416	1:10,000	1934
T-5417	1:10,000	1934

There are cultural and shoreline differences due to the time interval.

63. Comparison with Maps of Other Agencies

Las Pulgas Canyon	1:24,000	1948
San Onofre Bluff	1:24,000	1949
San Clemente	1:24,000	1948
Dana Point	1:24,000	1948

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
------	-----------	------------

Because of the scale differences no true comparison can be made.

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 J. Remon
Chief, Photogrammetric Branch

J. E. Waugh 9/15/65
Chief, Photogrammetry Division

Chief, Nautical Chart Division

