

11865

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-11865

LOCALITY

State CALIFORNIA

General locality DANA POINT TO MISSION BAY

Locality NORTH OF SAN CLEMENTE

1960 - 1962

CHIEF OF PARTY

FRED NATELLA, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES
SEP 22 1965

DATE

USCOMM-OC 5087

11865

DESCRIPTIVE REPORT - DATA RECORD

T- 11865

PROJECT NO. (II):			
21033			
FIELD OFFICE (II):		CHIEF OF PARTY	FRED NATELLA
OCEANSIDE, CALIFORNIA		UNIT CHIEF	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):			
KELSH 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: 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):			
NO CONTROL STATION RECOVERED IN THIS AREA.			
LAT.:	LONG.:	<input type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
PLANE COORDINATES (IV):		STATE	ZONE
Y =		X =	
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):		DATE:
R. B. MELBY		SEPT. 1961 - MAR. 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):		DATE
A.R.		4-11-63
PROJECTION AND GRIDS CHECKED BY (IV):		DATE
L.F.B.		4-11-63
CONTROL PLOTTED BY (III):		DATE
R. H. MEYER		4-18-63
CONTROL CHECKED BY (III):		DATE
D. N. WILLIAMS		4-18-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III):		DATE
HENRY P. EICHERT		APRIL, 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY	DATE
	R. H. MEYER	5-17-63
	CONTOURS	DATE
	NONE	
MANUSCRIPT DELINEATED BY (III):		DATE
SMOOTH DRAFT:	C. C. HARRIS	6-5-63
SCRIBING BY (III):		DATE
STICK-UP:	C. C. HARRIS	11-7-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III):		DATE
ROUGH DRAFT:	C. C. HARRIS	6-5-63
ADVANCE:	J. L. HARRIS	1-2-64
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 539A	9-2-60	11:05	1:30,000	1.9' ABOVE M.L.L.W.
60 S 408A	"	08:55	1:20,000	3.7' " "
COMPUTED FROM PRE- DICTED TIDE TABLES.				

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	DAILY 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): 0 RECOVERED: IDENTIFIED:

NUMBER OF BM(S) SEARCHED FOR (II): 0 RECOVERED: IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 0

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): 0

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11865

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-11865

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.

COMPILATION REPORT
MAP MANUSCRIPT T-11865
PROJECT 21033

ITEMS 31 AND 32:

REFER TO THE COMPILATION REPORT FOR T-11864.

33. SUPPLEMENTAL DATA:

NONE.

ITEMS 34 AND 35:

REFER TO THE COMPILATION REPORT FOR T-11864.

36. OFFSHORE DETAILS:

A GROUP OF SUNKEN ROCKS WAS IDENTIFIED BY THE FIELD UNIT AND LOCATED DURING COMPILATION.

37. LANDMARKS AND AIDS:

NONE.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11864 TO THE NORTH AND WITH T-11866 TO THE EAST. THE PACIFIC OCEAN IS TO THE SOUTH AND 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 DANA POINT,
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. DANA POINT, CALIFORNIA 7½ MINUTE QUADRANGLE, SCALE 1:24,000, EDITION 1948.

GULF OF SANTA CATALINA
PACIFIC OCEAN
SEGUNDA DESHECHA CANADA
SAN CLEMENTE

Names approved

8-3-65

A. J. Wright

49. NOTES TO THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 11865

1. PROJECTION AND GRIDS ✓	2. TITLE ✓	3. MANUSCRIPT NUMBERS ✓	4. MANUSCRIPT SIZE ✓
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY <i>None</i>	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) <i>None</i>		7. PHOTO HYDRO STATIONS <i>None</i>
8. BENCH MARKS <i>None</i>	9. PLOTTING OF SEXTANT FIXES <i>None</i>	10. PHOTOGRAMMETRIC PLOT REPORT ✓	11. DETAIL POINTS <i>None</i>
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE <i>None</i>	14. ROCKS, SHOALS, ETC. ✓	15. BRIDGES <i>None</i>
16. AIDS TO NAVIGATION <i>None</i>	17. LANDMARKS <i>None</i>	18. OTHER ALONGSHORE PHYSICAL FEATURES ✓	19. OTHER ALONGSHORE CULTURAL FEATURES ✓
PHYSICAL FEATURES			
20. WATER FEATURES ✓		21. NATURAL GROUND COVER ✓	22. PLANETABLE CONTOURS <i>Not Applicable</i>
23. STEREOSCOPIC INSTRUMENT CONTOURS <i>Not Applicable</i>	24. CONTOURS IN GENERAL <i>Not Applicable</i>	25. SPOT ELEVATIONS <i>None</i>	26. OTHER PHYSICAL FEATURES ✓
CULTURAL FEATURES			
27. ROADS ✓	28. BUILDINGS ✓	29. RAILROADS ✓	30. OTHER CULTURAL FEATURES ✓
BOUNDARIES			
31. BOUNDARY LINES <i>None</i>		32. PUBLIC LAND LINES <i>None</i>	
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>Learta L. 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 L. ...
Chief, Photogrammetric Branch

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

Chief, Nautical Chart Division

