

11868

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. Pt 6011 Office No. T-11868

LOCALITY

State CALIFORNIA

General locality DANA POINT TO MISSION BAY

Locality DON

1960 - 1962

CHIEF OF PARTY

FRED NATELLA, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

DATE

SEP 22 1965

USCOMM-OC 5087

11868

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

DESCRIPTIVE REPORT - DATA RECORD

T- 11868

PROJECT NO. (II):

21033

FIELD OFFICE (II):

OCEANSIDE, CALIFORNIA

CHIEF OF PARTY

FRED NATELLA

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 Apr. 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):

FLORES HILL, 1886

LAT.:

33° 19' 13.167"

LONG.:

117° 27' 33.335"

☒ ADJUSTED☐ UNADJUSTED

PLANE COORDINATES (IV):

= 421,890.47

x = 1,630,598.22

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): NOVEMBER, 1961 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 4-12-63
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 L. L. GRAVES	DATE 5-23-63
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): SMOOTH DRAFT: J. L. HARRIS		DATE 6-20-63
SCRIBING BY (III): STICK-UP: C. C. HARRIS		DATE 12-3-63
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: J. L. HARRIS ADVANCE: J. L. HARRIS		DATE 6-20-63 1-13-64
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 544A THRU 546A	9-2-60	11:05	1:30,000	1.9' ABOVE M.L.L.W.
60 S 529A THRU 531A	"	10:35	"	2.4' " "
60 S 420A THRU 424A	"	09:05	1:20,000	3.5' " "
RATIO PRINTS OF ABOVE AT 1:10,000				
				COMPUTED FROM PRE- DICTED TIDE TABLES.

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	DIURNAL 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): 4

RECOVERED: 4

IDENTIFIED: 1

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

NONE

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): NONE

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

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11868

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-11868

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. 11868

PROJECT NO.

21033

SCALE OF MAP
1:10,000

SCALE FACTOR VI

[illegible]

1 FT. = .3048006 METER

COMPUTED BY: L.L.G.

DATE 4-17-63

CHECKED BY: D.N.W.

DATE _____

4-17-63

COMM-DC-57843

COMPILATION REPORT
MAP MANUSCRIPT T-11868
PROJECT 21033

ITEMS 31 AND 32:

REFER TO THE COMPILATION REPORT FOR T-11864.

33. SUPPLEMENTARY DATA:

NONE.

ITEMS 34 AND 35:

REFER TO THE COMPILATION REPORT FOR T-11864.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

ONE LANDMARKS IS SHOWN ON THIS MAP. FORM 587 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11867 TO THE WEST AND WITH T-11869 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 LAS PULGAS, CANYON, 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. LAS PULGAS CANYON, CALIFORNIA, 7½ MINUTE QUADRANGLE, SCALE 1:24,000, EDITION 1948.

DON

GULF OF SANTA CATALINA

*Names approved
A. J. Wright*

49.. NOTES FOR THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10305 11868

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 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. None	15. BRIDGES None
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 None	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-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
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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. Linn
Chief, Photogrammetric Branch

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

Chief, Nautical Chart Division

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11868

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]