

11658

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-5908 Office No. T-11658

LOCALITY

State California

General locality Point Vicente to Dana Point

Locality South Laguna

1959-1961

CHIEF OF PARTY

Fred Natella, CAPT., C&GS

LIBRARY & ARCHIVES

DATE Sept. 1963

USCOMM-DC 5067

11658

DATA RECORD

T- 11658

Project No. (II): **PH-5908**

Quadrangle Name (IV):

Field Office (II): **SANTA ANA, CALIFORNIA**Chief of Party: **FRED NATELLA**
Unit Chief: **Charles H. Bishop**
Officer-in-Charge: **FRED NATELLA**Photogrammetric Office (III): **PORTLAND, OREGON**Instructions dated (II) (III): **II, III 6 January 1960**

Copy filed in Division of

II, III 13 April 1960 (Amendment I)

Photogrammetry (IV)

Method of Compilation (III): **KELSH INSTRUMENT**Manuscript Scale (III): **1:10,000**Stereoscopic Plotting Instrument Scale (III): **1:6000****PANTOGRAPH SCALE: 1:10,000**Scale Factor (III): **NONE**

Date received in Washington Office (IV):

Date reported to Nautical Chart Branch (IV):

Applied to Chart No.

Date:

Date registered (IV):

Publication Scale (IV):

Publication date (IV):

Geographic Datum (III): **N.A. 1927**Vertical Datum (III): **X**

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): **ALISO PEAK, 1884**Lat.: **33° 30' 33.131"**Long.: **117° 44' 36.509"**Adjusted **X**
Unadjusted

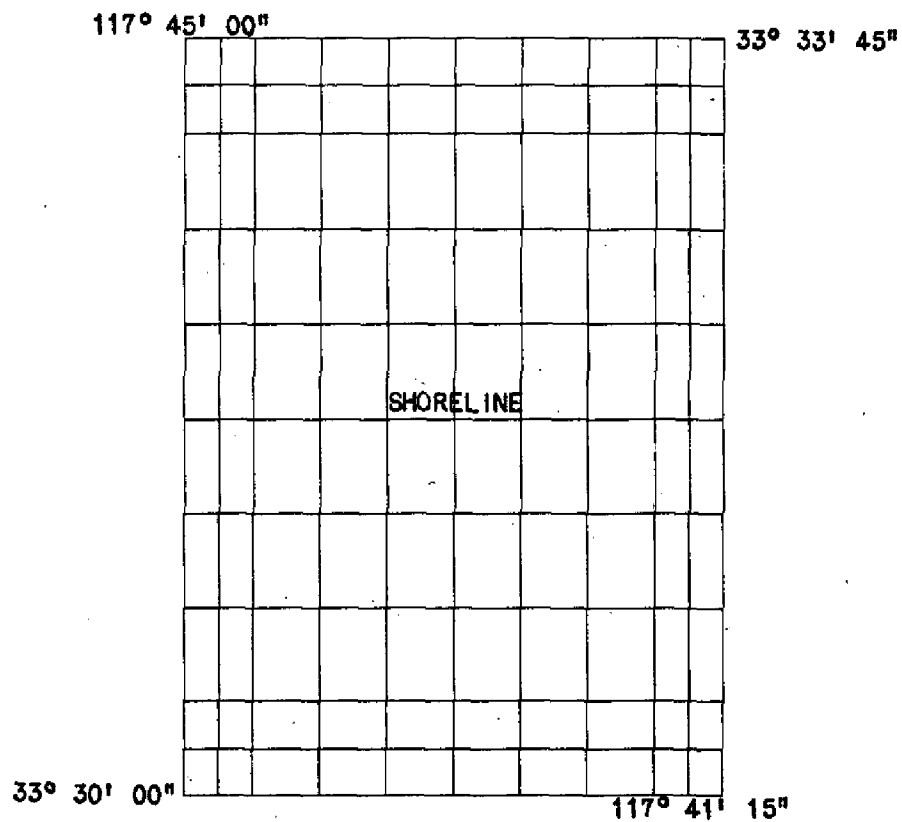
Plane Coordinates (IV):

State: **CALIFORNIA** Zone: **VI**Y= **491,733.46**X= **1,544,766.64**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.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

Areas contoured by various personnel
(Show name within area)
(II) (III)

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): **Charles H. Bishop, Robert B. Melby
Lyle L. Riggers**

Date: **February 1960**

Planetable contouring by (II):

Date:

Completion Surveys by (II):

Date:

Mean High Water Location (III) (State date and method of location): **By FIELD INSPECTION FEB. 1961
AND COMPILED BY KELSH INSTRUMENT.**

Projection and Grids ruled by (IV): **R.A.C.**

Date: **10-4-60**

Projection and Grids checked by (IV): **J.D.C.**

Date: **10-12-60**

Control plotted by (III): **C. H. BISHOP**

Date: **10-23-61**

Control checked by (III): **L. L. GRAVES**

Date: **11-3-61**

Radial Plot or Stereoscopic
Control extension by (III):

R. E. FUESCHEL

Date: **OCT. 1960**

Stereoscopic Instrument compilation (III):

Planimetry **D. N. WILLIAMS**

Date: **2-14-62**

Contours

Date:

Manuscript delineated by (III):

**C. H. BISHOP, SCRIBING
C. C. HARRIS, STICK-UP**

Date: **6-22-62
7-19-62**

Photogrammetric Office Review by (III):

**J. L. HARRIS, ROUGH DRAFT
J. L. HARRIS, ADVANCE**

Date: **4-13-62
11-26-62**

Elevations on Manuscript
checked by (II) (III):

Date:

DESCRIPTIVE REPORT - DATA RECORD

Camera (kind or source) (III): C&GS SINGLE LENS 8"

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
59 S 8229 AND 8230	10-3-59	11:37	1:30,000	0.5' BELOW M.H.W.
59 S 8251 AND 8252	"	12:01	"	1.0' BELOW M.H.W.

RATIO PRINTS OF ABOVE - SCALE 1:10,000

Tide (III)

Reference Station: LOS ANGELES, CALIFORNIA
Subordinate Station: BALBOA (OCEAN PIER)
Subordinate Station:

COMPUTED FROM PREDICTED TIDE TABLES.

Washington Office Review by (IV):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

Land Area (Sq. Statute Miles) (III): 11

Shoreline (More than 200 meters to opposite shore) (III): 1

Shoreline (Less than 200 meters to opposite shore) (III):

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 4

Recovered: 4

Identified: 0

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): NONE

Number of Temporary Photo Hydro Stations established (III): NONE

Remarks:

Ratio of Ranges	Mean Range	Spring D IURNAL Range
	3.8	5.4
	3.7	5.3

Date:

Date:

Date:

Date:

FIELD INSPECTION REPORT

Map Manuscript T-11658

Project Ph-5908

Refer to Field Inspection Report for map manuscripts T-11655, T-11656, T-11657, T-11658 and T-11659, Project Ph-5908, February - March 1961, by Charles H. Bishop and Robert B. Melby.

Filed with Desc. Report T-11655

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11658

PROJECT PH-5908

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT FOR THE ENTIRE
PROJECT PH-5908 BY ROBERT E. FUESCHEL, OCTOBER 1960.

Filed with Desc. Report T-11640

PROJECT NO.	PM-5908	SCALE OF MAP	1:10,000	SCALE FACTOR	NONE
MAP T-	11658				

[illegible]

COMPILATION REPORT

MAP MANUSCRIPT T-11658

PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

32. CONTROL:

STEREOPLANIGRAPH BRIDGING LOCATED THE SUPPLEMENTARY CONTROL WHICH WAS ADEQUATE.

33. SUPPLEMENTAL DATA:SHEET No. 49W, MAP OF ORANGE COUNTY
SCALE 1 INCH = 600 FEET.34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE WAS FIELD INSPECTED IN THIS AREA AND NONE COULD BE LOCATED BY STEREOSCOPIC EXAMINATION OF THE PHOTOGRAPHY IN THE COMPILATION OFFICE.

35. SHORELINE AND ALONGSHORE DETAILS:

ONLY THE MEAN HIGH-WATER LINE WAS FIELD INSPECTED AND DELINEATED. NO LOW-WATER PHOTOGRAPHY WAS AVAILABLE. THE CHARACTER OF THE ROCK LEDGE AREAS ALONGSHORE WAS INDICATED BY THE FIELD INSPECTION; THEIR EXTENT WAS DETERMINED BY THE COMPILER FROM INTERPRETATION OF THE PHOTOGRAPHY. DATA ON THE SEVERAL ROCKS BARING ALONG THE SHORELINE WAS FURNISHED BY THE FIELD UNIT FOR THE TIME OF FIELD INSPECTION. THESE ELEVATIONS WERE CONVERTED TO THE DATUM OF THE MANUSCRIPT.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

NONE.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11657 ON THE WEST AND WITH T-11659 ON 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. 7½ MINUTE SAN JUAN CAPISTRANO, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

NAUTICAL CHART 5101, SCALE 1:234,200 AT LAT. 33° 20'
5TH ED. JAN. 6, 1947, REVISED MAY 18, 1959.

NAUTICAL CHART 5142, SCALE 1:80,000 AT LAT. 33° 31'
1ST ED. MARCH 5, 1951, REVISED NOV. 9, 1959.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

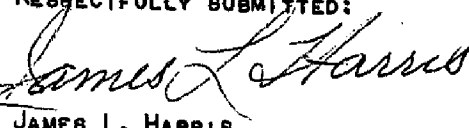
ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:


JAMES L. HARRIS
CARTOGRAPHER

49. NOTES TO THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10563 11658

1. PROJECTION AND GRIDS X	2. TITLE X	3. MANUSCRIPT NUMBERS X	4. MANUSCRIPT SIZE X
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY X	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 X	11. DETAIL POINTS None
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE X	13. LOW-WATER LINE None	14. ROCKS, SHOALS, ETC. X	15. BRIDGES None
16. AIDS TO NAVIGATION None	17. LANDMARKS None	18. OTHER ALONGSHORE PHYSICAL FEATURES X	19. OTHER ALONGSHORE CULTURAL FEATURES X
PHYSICAL FEATURES			
20. WATER FEATURES X	21. NATURAL GROUND COVER X		22. PLANETABLE CONTOURS None
23. STEREOSCOPIC INSTRUMENT CONTOURS None	24. CONTOURS IN GENERAL None	25. SPOT ELEVATIONS None	26. OTHER PHYSICAL FEATURES X
CULTURAL FEATURES			
27. ROADS X	28. BUILDINGS X	29. RAILROADS None	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES None		32. PUBLIC LAND LINES None	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES X	34. JUNCTIONS X		35. LEGIBILITY OF THE MANUSCRIPT X
36. DISCREPANCY OVERLAY None	37. DESCRIPTIVE REPORT X	38. FIELD INSPECTION PHOTOGRAPHS X	39. FORMS X
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			

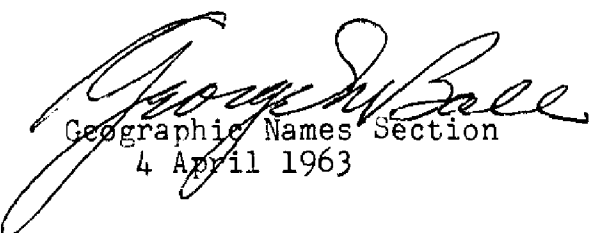
T-11658

48. Geographic Names List

Gulf of Santa Catalina

Paradise Point

South Laguna


Geographic Names Section
4 April 1963

Review Report
Shoreline Maps
T-11655 thru T-11659
May 1963

61. General Statement

These are five (5) shoreline maps of project PH-5908 Long Beach to Laguna Beach, California. These maps were prepared primarily for the location of all non-floating aids and landmarks for use in the revision of our nautical charts.

62. Comparison with Registered Topographic Surveys

T-5030A	1:10,000	1934
T-5417	1:10,000	1934
T-5418	1:10,000	1934

There are cultural and shoreline differences but in general, the agreement is good. There are some offshore rock and ledge differences. These should be reconciled when the hydrographic surveys are made.

63. Comparison with Maps of Other Agencies

Dana Point, Calif.	1:24,000	U.S.G.S.	1948
Laguna Beach, Calif.	1:24,000	U.S.G.S.	1948
San Juan Capistrano, Calif.	1:24,000	U.S.G.S.	1948

See Item 46.

64. Comparison with Contemporary Hydrographic Surveys - None

65. Comparison with Nautical Charts

5108	1:10,000	1940 revised to March 1961	—
5142	1:80,000	1960 revised to Dec. 1962	

There are some small rock and ledge differences between the charts and the manuscripts.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions and are within the required accuracy for Nautical Charting.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles J. Lamm
Chief, Cartographic Branch

J. E. Waugh 8/13/63
Chief, Photogrammetry Div.

Louis G. Taylor
Chief, Nautical Chart Division

Norace B. Connerly
Chief, Operations Division

