

# 11653

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-11653
LOCALITY	
State	California
General locality	Orange County
Locality	Newport Beach
19 <del>58</del> 59-1960	
CHIEF OF PARTY	
Fred Natella, Photogrammetric Office	
LIBRARY & ARCHIVES	
DATE	AUG 1-1963

USCOMM-DC 5087

# 11653

DESCRIPTIVE REPORT - DATA RECORD

T - 11653

Project No. (II): Ph-5908

Quadrangle Name (IV):

Field Office (II): Santa Ana, California

Chief of Party: Fred Natella

Photogrammetric Office (III): Portland, Oregon

Unit Chief: Charles H. Bishop

Officer-in-Charge: Fred Natella

Instructions dated (II) (III): II III 6 January 1960  
Amend. I 13 April 1960

Copy filed in Division of  
Photogrammetry (IV)

Method of Compilation (III): KESLM 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):

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): THERE ARE NO TRIANGULATION STATIONS WITHIN THE LIMITS  
OF THIS MANUSCRIPT. REFER TO ADJACENT MANUSCRIPT T-11654.

Lat.:

Long.:

Adjusted X  
Unadjusted

Plane Coordinates (IV):

State:

Zone:

Y=

X=

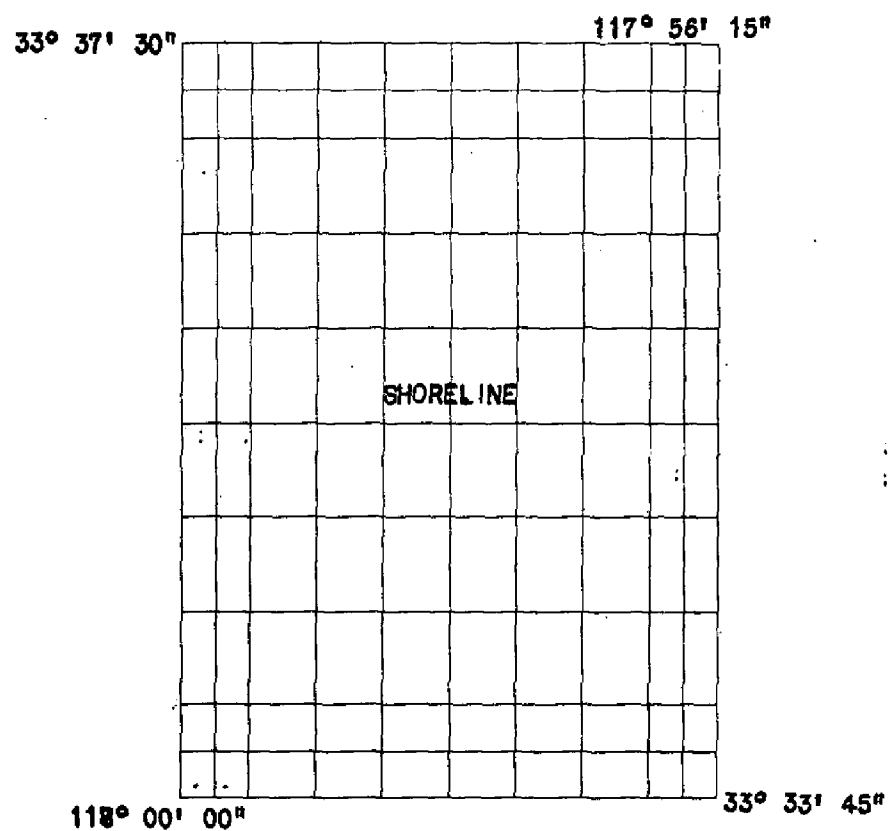
Roman numerals indicate whether the item is to be entered by (II) Field Party, (III) Photogrammetric Office,  
or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.

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): **Robert B. Melby & Lyle L. Riggers**

Date: **Dec. 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 DECEMBER, 1960 AND BY KELSH INSTRUMENT COMPILATION.**

Projection and Grids ruled by (IV):

**R.A.C.**

Date: **10-3-60**

Projection and Grids checked by (IV):

**J.D.C.**

Date: **10-12-60**

Control plotted by (III):

Date:

Control checked by (III):

Date:

Radial Plot or Stereoscopic  
Control extension by (III):

**R. E. FUESCHEL**

Date: **Oct. 1960**

Stereoscopic Instrument compilation (III):

Planimetry **D.N. WILLIAMS**

Date: **12-21-61**

Contours

Date:

Manuscript delineated by (III):

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

Date: **6-19-62**  
**8-20-62**

Photogrammetric Office Review by (III):

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

Date: **1-26-62**  
**11-16-62**

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

Date:

DESCRIPTIVE REPORT - DATA RECORD

5. U.S. DEPARTMENT OF COMMERCE  
COAST AND GEODETIC SURVEY

Camera (kind or source) (III):

C&GS SINGLE LENS "6"

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
59 8 8220 AND 8221	10-3-59	11:34	1:30,000	4.5 FT. ABOVE M.L.L.W.

Tide (III)

Reference Station:

LOS ANGELES, CALIFORNIA

Subordinate Station:

BALBOA (OCEAN PIER), CALIFORNIA

Subordinate Station:

COMPUTED FROM PREDICTED TIDE TABLES.

Washington Office Review by (IV):

Date:

Final Drafting by (IV):

Date:

Drafting verified for reproduction by (IV):

Date:

Proof Edit by (IV):

Date:

Land Area (Sq. Statute Miles) (III): 1

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

Shoreline (Less than 200 meters to opposite shore) (III): NONE

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 0

Recovered: 0

Identified: 0

Number of BMs searched for (II): 0

Recovered: 0

Identified: 0

Number of Recoverable Photo Stations established (III): 0

Number of Temporary Photo Hydro Stations established (III): 0

Remarks:

## FIELD INSPECTION REPORT

Map Manuscript T-11653

Project Ph-5908

Refer to Field Inspection Report for T-11651, T-11652, T-11653 and T-11654, Project Ph-5908, by Charles H. Bishop and Robert B. Melby, February 1961, INCLUDED WITH DESCRIPTIVE REPORT FOR T-11651.

*Filed with Desc. Report T-11651*

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11653

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*

COMPILATION REPORT  
MAP MANUSCRIPT T-11653  
PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

32. CONTROL:

NO CONTROL APPEARS ON THIS MANUSCRIPT. SEE ADJOINING MAPS.

33. SUPPLEMENTAL DATA:

SHEET No. 37W, MAP OF ORANGE COUNTY  
SCALE 1 INCH = 600 FT.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

THERE IS NO DRAINAGE ON THIS MANUSCRIPT.

35. SHORELINE AND ALONGSHORE DETAILS:

FIELD INSPECTION OF THE HIGH-WATER LINE WAS ADEQUATE. NO  
LOW-WATER LINE WAS SHOWN AS NO LOW-WATER PHOTOGRAPHY WAS AVAILABLE.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

NONE.



38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11651 ON THE NORTH AND WITH T-11654 ON THE EAST. ON THE WEST AND SOUTH IS THE GULF OF SANTA CATALINA.

40. HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MPAS:

COMPARISON WAS MADE WITH THE U.S.G.S. 7 $\frac{1}{2}$  BY 10 MINUTE NEWPORT BEACH, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1949.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

NAUTICAL CHART No. 5101, SCALE 1:234,270 AT LAT. 33° 20'  
5TH ED. JAN. 6, 1947, REVISED MAY 18, 1959.

NAUTICAL CHART No. 5142, SCALE 1:80,000 AT LAT. 33° 31'  
1ST ED. MAR. 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 FOR THE HYDROGRAPHER:

NONE.

## PHOTOGRAMMETRIC OFFICE REVIEW

T-10383 11653

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 None	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 X	10. PHOTOGRAMMETRIC PLOT REPORT X	11. DETAIL POINTS None
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE X	13. LOW-WATER LINE X	14. ROCKS, SHOALS, ETC. X	15. BRIDGES None
16. AIDS TO NAVIGATION X	17. LANDMARKS X	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 X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES X		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-11653

48. Geographic Names List

Gulf of Santa Catalina

Newport Beach

*George W. Ball*  
Geographic Names Section

4 April 1963

Review Report  
Shoreline Maps  
T-11649 thru T-11654

June 1963'

61. General Statement

These are six (6) 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-5031	1:10,000	1933
T-5032	1:10,000	1933

There are numerous cultural and shoreline differences due to time interval. These maps are to supersede the above surveys for common area for nautical charting.

63. Comparison with Maps of Other Agencies

Newport Beach, Calif.	1:24,000	U.S.G.S.	1949
Seal Beach, Calif.	1:24,000	U.S.G.S.	1949

There are cultural and shoreline changes due to the difference in survey dates.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

5108	1:10,000	Aug. 1940	revised to Mar. 1961
5142	1:80,000	Nov. 1960	revised to Dec. 1962

There are no differences of importance between the above charts and the subject 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. Dando*  
L. C. Dando

Approved by:

*Charles Harris*  
Chief, Cartographic Br.  
*J. E. Waugh 8/1/63*  
Chief, Photogrammetry Div.

*Samuel G. Taylor*  
Chief, Nautical Charts Division  
*Warren S. Connelly*  
Chief, Operations Division



