

11650

2117

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. _____ Office No. T-11650

LOCALITY

State CALIFORNIA

General locality NEWPORT BAY

Locality HUNTINGTON BEACH

1959-1960

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE AUG 1-1963

USCOMM-DC 5087

11650

DESCRIPTIVE REPORT - DATA RECORD

T- 11650

Project No. (II): PH-5908

Quadrangle Name (IV):

Field Office (II):

SANTA ANA, CALIFORNIA

Chief of Party:

FRED NATELLA

UNIT CHIEF:

C. H. BISHOP

Photogrammetric Office (III):

PORTLAND, OREGON

Officer-in-Charge:

FRED. NATELLA

Instructions dated (II) (III):

6 JAN. 1960 II, III

AMENDMENT I:

13 APRIL 1960 II

Copy filed in Division of
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):

RESERVOIR, 1911

Lat.: 33° 40' 56.662"

Long.: 118° 00' 17.292"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: CALIFORNIA Zone: VI

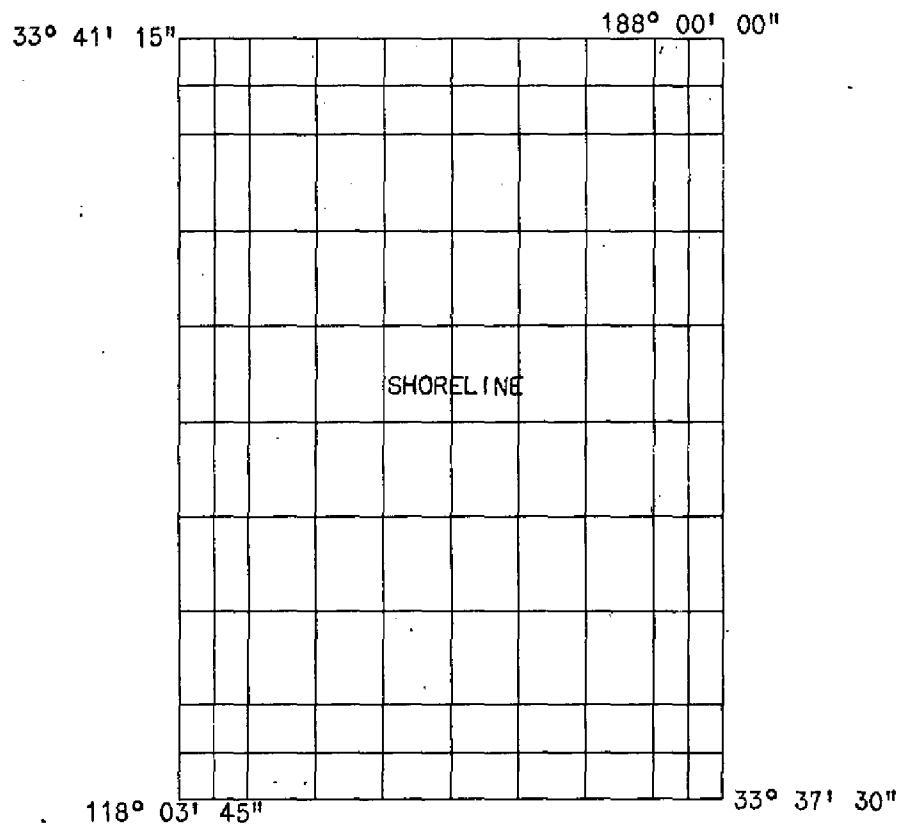
Y= 555,988.79

X= 1,466,177.38

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



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

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): C. H. BISHOP; R. B. MELBY;
L. L. RIGGERS Date: MAR. - NOV.
1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): LOCATED BY FIELD INSPECTION
MARCH TO NOVEMBER 1960 AND COMPILED BY KELSH INSTRUMENT.

Projection and Grids ruled by (IV): R.A.C. Date: 9-30-60

Projection and Grids checked by (IV): J.D.C. Date: 10-12-60

Control plotted by (III): C. H. BISHOP Date: 10-13-61

Control checked by (III): L. L. GRAVES Date: 10-26-61

Radial Plot or Stereoscopic Control extension by (III): R. E. FUESCHEL Date: OCT. 1960

Planimetry D. N. WILLIAMS Date: 12-15-61

Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): L. L. GRAVES, SCRIBING Date: 5-14-61
C. C. HARRIS, STICK-UP 7-9-61

Photogrammetric Office Review by (III): J. L. HARRIS, ROUGH DRAFT Date: 1-12-61
J. L. HARRIS, ADVANCE 11-7-61

Elevations on Manuscript checked by (II) (III): NONE Date:

DESCRIPTIVE REPORT - DATA RECORD

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

Number	Date	PHOTOGRAPHS (III) Time	Scale	Stage of Tide
59-S-8215 THRU 8217	10-3-59	11:33	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):

Final Drafting by (IV):

Drafting verified for reproduction by (IV):

Proof Edit by (IV):

DIURNAL		
Ratio of Ranges	Mean Range	Spring Range
	3.8	5.4
	3.7	5.3

Date:

Date:

Date:

Date:

Land Area (Sq. Statute Miles) (II): 3

Shoreline (More than 200 meters to opposite shore) (III): 3

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 43 Recovered: 4

Number of BMs searched for (II): NONE Recovered:

Number of Recoverable Photo Stations established (III): NONE

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

Identified: 2

Identified:

Remarks:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11650

PROJECT PH-5908

REFER TO THE FIELD INSPECTION REPORT FOR T-11643, T-11648,
T-11649 AND T-11650 BY CHARLES H. BISHOP, NOVEMBER, 1960 AND
~~SUBMITTED TO THE WASHINGTON OFFICE ON 1-27-61.~~

See Desc. Report T11643

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11650

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

MAP T-11650...

PROJECT NO. PH-5908

SCALE OF MAP 1:10,000

SCALE FACTOR NONE

[illegible]

1 FT. = .3048006 METER
COMPUTED BY:.....

三三三

DATE _____

3-9-60
10-6-61

CHECKED BY: _____

D.N.W.
J.E.D.

DATE: _____

3-9-60
10-12-61

COMM-DC-57843

COMPILATION REPORT

MAP MANUSCRIPT T-11650

PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

32. CONTROL:

SUPPLEMENTARY CONTROL ESTABLISHED BY STEREOPLANIGRAPH INSTRUMENT BRIDGING BASED ON THE TWO IDENTIFIED HORIZONTAL CONTROL STATIONS WAS ADEQUATE.

33. SUPPLEMENTAL DATA:

NONE.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

EXAMINATION OF THE U.S.G.S. QUADRANGLE INDICATES NO DRAINAGE OTHER THAN THAT COMPILED FROM FIELD INSPECTION.

35. SHORELINE AND ALONGSHORE DETAILS:

SHORELINE FIELD INSPECTION FOR THE HIGH-WATER LINE WAS ADEQUATE. NO LOW-WATER LINE WAS SHOWN SINCE NO LOW-WATER PHOTOGRAPHY WAS AVAILABLE.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

NONE.

38. CONTROL FOR FUTURE SURVEYS:

NO PHOTO-HYDRO STATIONS WERE IDENTIFIED FOR LOCATION ON THIS MANUSCRIPT.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11649 ON THE NORTH AND T-11651 ON THE EAST. THE GULF OF SANTA CATALINA IS TO THE WEST AND SOUTH.

40. HORIZONTAL AND VERTICAL ACCURACY:46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. 7½ MINUTE SEAL 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 1:234,279 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:

RESPECTFULLY SUBMITTED:

Fred Natella
FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

James L. Harris
JAMES L. HARRIS,
CARTOGRAPHER

49. NOTES TO THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10063 11650

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 X	14. ROCKS, SHOALS, ETC. X	15. BRIDGES X
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 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 OF UNIT Edward Deal	
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-11650

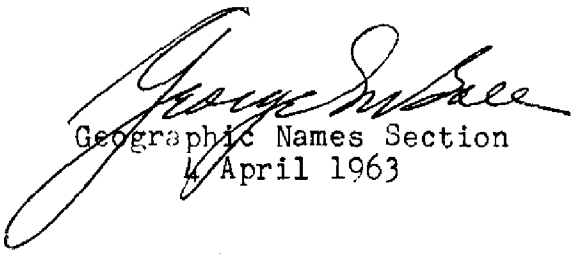
48. Geographic Names List

Bolsa Chica Beach State Park

Gulf of Santa Catalina

Huntington Beach

Huntington Beach State Park


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 FH-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

5188	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. Bando

Approved by:

Chief, Cartographic Br.

Chief, Photogrammetry Div.

Chief, Nautical Charts Division

Chief, Operations Division

