

11645

orig

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-11645

LOCALITY

State CALIFORNIA

General locality LOS ANGELES

Locality INSPIRATION POINT

1959-1960

CHIEF OF PARTY
LORNE G. TAYLOR
& FRED NATELLA

LIBRARY & ARCHIVES

DATE Sept. 1963

USCOMM-DC 5087

11645

DESCRIPTIVE REPORT - DATA RECORD

T- 11645

Project No. (II): PH-5908

Quadrangle Name (IV):

Field Office (II): SANTA ANA, CALIFORNIA

Chief of Party: LORNE G. TAYLOR & FRED NATELLA
UNIT CHIEF: R. B. MELBY

Photogrammetric Office (III): PORTLAND, OREGON

Officer-in-Charge: LORNE G. TAYLOR
& FRED NATELLA

Instructions dated (II) (III): 6 JANUARY 1960
AMENDMENT 1: 13 APRIL 1960

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):

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): SEA BENCH, 1870

Lat.: 33° 43' 31.144"

Long.: 118° 20' 11.312"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: CALIFORNIA Zone: VI

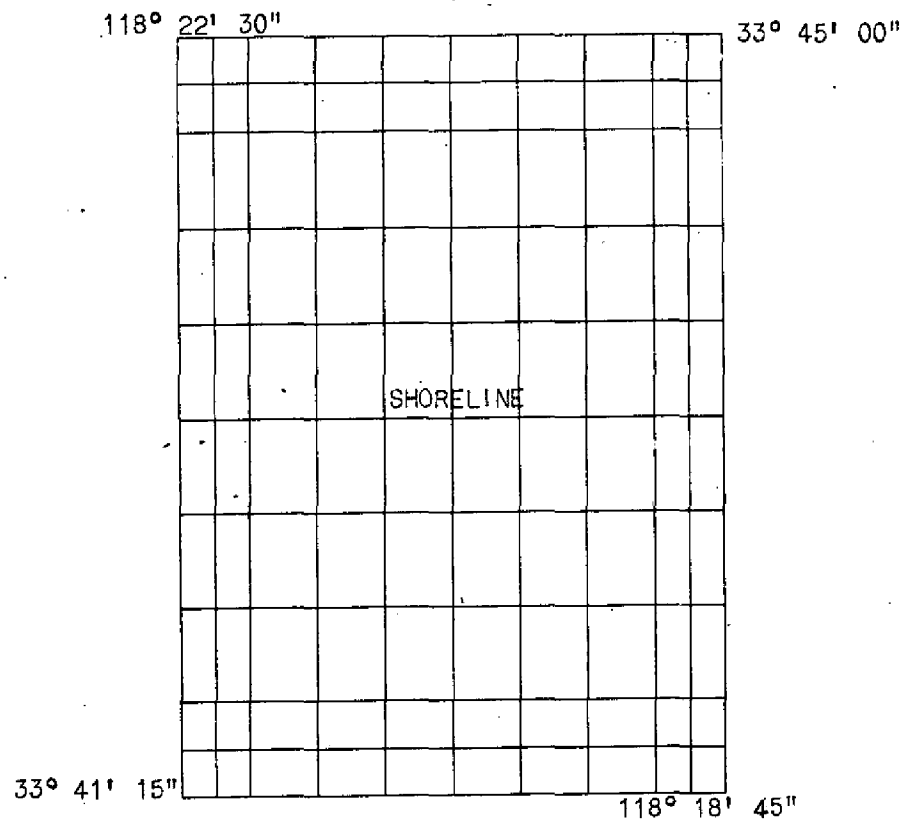
Y= 573,458.96

X= 1,365,605.39

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): R. B. MELBY & L. L. RIGGERS Date: JAN. - MARCH
1960

Planetable contouring by (II): Date:

Completion Surveys by (II): Date:

Mean High Water Location (III) (State date and method of location): MARCH 1960 BY FIELD INSPECTION.
COMPILATION BY KELSH INSTRUMENT.

Projection and Grids ruled by (IV): R.A.C. Date: 9-28-60

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

Control plotted by (III): C. H. BISHOP Date: 11-3-61

Control checked by (III): L. L. GRAVES Date: 11-8-61

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

Stereoscopic Instrument compilation (III): Planimetry C. H. BISHOP Date: 5-31-62
Contours Date:

Manuscript delineated by (III): C. H. BISHOP, SCRIBING Date: 7-2-62
C. C. HARRIS, STICK-UP 11-8-62

Photogrammetric Office Review by (III): J. L. HARRIS, ROUGH DRAFT Date: 6-19-62
J. L. HARRIS, ADVANCE 12-3-62

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

DESCRIPTIVE REPORT - DATA RECORD

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

		PHOTOGRAPHS (III)			Stage of Tide
Number	Date	Time	Scale		
59 S 8166					
THRU 8169	10-3-59	10:53	1:30,000	0.5' ABOVE M.H.W.	
59 S 8158	"	"	"	" " "	
THRU 8160					
59 S 8018					
THRU 8030	10-2-59	15:00	1:10,000	AT M.L.L.W..	

(COLOR TRANSPARENCIES)

Tide (III)

Reference Station: LOS ANGELES (OUTER HARBOR)

Subordinate Station:

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

Date:

Date:

Date:

Date:

Land Area (Sq. Statute Miles) (III): 4

Shoreline (More than 200 meters to opposite shore) (III): 4

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 17 Recovered: 4

Number of BMs searched for (II): 0 Recovered: 0

Number of Recoverable Photo Stations established (III): 3 *

Number of Temporary Photo Hydro Stations established (III):

Identified: 2

Identified: 0

Remarks:

* THREE LANDMARKS LOCATED BY STEREOPLANIGRAPH
AT THE TIME OF CONTROL EXTENSION.

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11645

PROJECT PH-5908

REFER TO THE FIELD INSPECTION REPORT FOR T-11644 AND T-11645

~~SUBMITTED TO THE WASHINGTON OFFICE 27 JAN. 1981.~~

See Desc. Report T11644

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11645

PROJECT PH-5908

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT FOR THE ENTIRE
PROJECT BY R. E. FUESCHEL, OCTOBER 1960.

Filed with Desc. Report T11640

MAP T-11645

PROJECT NO.

PH-5908

SCALE OF MAP
1:10,000

SCALE FACTOR

None

[illegible]

1 FT. = 3048006 METER

J.L.H.

DATE 3-10-60

CHECKED BY: D.N.W.

DATE 3-10-60

COMM-DC-57843

COMPILATION REPORT

MAP MANUSCRIPT T-11645

PROJECT PH-5908

31. DELINEATION:

THE PLANIMETRY WAS DELINEATED BY USE OF THE KELSH STEREO-SCOPIC INSTRUMENT.

32. CONTROL:

THE STEREOPLANIGRAPH WAS USED TO ESTABLISH THE SUPPLEMENTARY CONTROL WHICH WITH THE IDENTIFIED HORIZONTAL CONTROL STATIONS WAS ADEQUATE.

33. SUPPLEMENTAL DATA:

MAPS OF LOS ANGELES COUNTY NOS. 27 & 29, SCALE 1 INCH = 600', COMPILED BY THE COUNTY ENGINEER, NOV. 1954 & MAY 1958.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

THE ONLY DRAINAGE WITHIN THE LIMITS OF THIS MANUSCRIPT ARE INTERMITTENT STREAMS. THEY HAVE BEEN DELINEATED AS FIELD INSPECTED.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH-WATER LINE WAS COMPILED BY THE KELSH INSTRUMENT OPERATOR AS FIELD INSPECTED. THE LOW-WATER LINE WAS DELINEATED FROM OFFICE STEREOSCOPIC INSPECTION OF THE COLOR TRANSPARENCIES WHICH WERE TAKEN AT APPROXIMATELY M.L.L.W. THE CHARACTER OF THE ROCK LEDGE AND SHOAL AREAS ALONGSHORE WERE INDICATED BY THE FIELD INSPECTION AND THE EXTENT OF THESE DETAILS WAS DETERMINED AND DELINEATED BY OFFICE EXAMINATION OF THE LOW-WATER PHOTOGRAPHY. THE SAME METHOD WAS USED TO SYMBOLIZE THE BLUFFS ALONGSHORE.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

THREE LANDMARKS WERE LOCATED BY THE STEREOPLANIGRAPH AND INCLUDED WITH THE CONTROL EXTENSION BRIDGE.

FORM 567 IS SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11644 TO THE WEST AND T-11646 TO THE EAST. SAN PEDRO CHANNEL IS TO THE SOUTH. THERE IS NO CONTEMPORARY SURVEY TO THE NORTH.

40. HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. $7\frac{1}{2}$ MINUTE SAN PEDRO, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1951.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH THE FOLLOWING NAUTICAL CHARTS:

NAUTICAL CHART 5142, SCALE 1:80,000 AT LAT. $33^{\circ} 31'$,
1ST ED. MARCH 1957, REVISED NOV. 1959.

N NAUTICAL CHART 5101, SCALE 1:234,270 AT LAT. $33^{\circ} 20'$,
5TH ED. JAN. 1947, REVISED MAY 1959.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

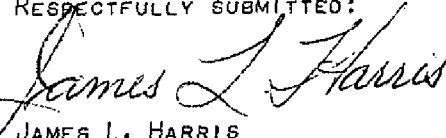
ITEMS TO BE CARRIED FORWARD:

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-10363 11645

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) X		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 None
16. AIDS TO NAVIGATION None	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 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 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			

COMPILATION RECORD

COMPLETION DATE

REMARKS

<i>Alongshore area for hydro</i>	<i>11/8/62</i>	
<i>Interior details added - Compilation complete</i>	<i>11/8/62</i>	

~~XXXXXXXXXXXX~~ STRIKE OUT TWO
TO BE DELETED

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be ~~retransmitted~~ *deleted from* the charts indicated.

The positions given have been checked after listing by

This form shall be prepared in accordance with Hydrographic Manual, Publication 20-2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.

* TABULATE SECONDS AND METERS

48. Geographic Names List

Altamira Canyon

Deadmans Cove

Inspiration Point

Klondike Canyon

Portuguese Bend

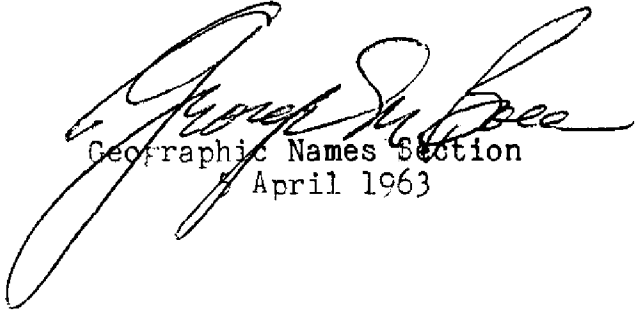
Portuguese Bend (settlement)

Portuguese Canyon

Portuguese Point

San Pedro Channel

Whites Point


Geographic Names Section
April 1963

Review Report
Shoreline Maps
T-11640 and T-11644 thru T-11646
August 1963

61. General Statement

There are four (4) shoreline maps of project FH-5908, Long Beach to Laguna Beach, California. These maps were prepared primarily for the location of all nonfloating aids and landmarks for use in the revision of our Nautical Charts.

62. Comparison with Registered Topographic Surveys

T-4825	1:10,000	1933
T-4826	1:10,000	1933
T-5034A	1:10,000	1934

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

63. Comparison with Maps of Other Agencies

San Pedro, Calif.	1:24,000	U.S.G.S.	1951
Redondo Beach, Calif.	1:24,000	U.S.G.S.	1951
Torrance, Calif.	1:24,000	U.S.G.S.	1951

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

5142	1:80,000	Nov. 1960	Revised Dec. 1962
5147	1:18,000	Feb. 1963	
5148	1:12,000	Feb. 1963	

Differences exist. However, there are no items to be applied immediately.

66. Adequacy of Results and Future Surveys

These maps comply with the National Map Accuracy Standards and meet Bureau requirements.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. Lamm
Chief, Cartographic Branch

Louise G. Taylor
Chief, Nautical Charts Division

J. E. Maugh 9/10/63
Chief, Photogrammetry Division

W. A. B. Connerly
Chief, Operations Division

