## Descriptive Report

**Type of Survey**
SHORELINE (PHOTOGRAFMETRIC)

**Field No.**

**Office No.** T-11650

### Locality

**State**
CALIFORNIA

**General Locality**
NEWPORT BAY

**Locality**
HUNTINGTON BEACH

**Date**
1959-1960

**Chief of Party**
FRED NATELLA

### Library & Archives

**Date**
AUG 1-1963
DESCRIPTIVE REPORT - DATA RECORD

T- 11650

Project No. (II): PH-5908

Quadrange Name (IV):

Field Office (II): SANTA ANA, CALIFORNIA
Chief of Party: FRED NATELLA

Photogrammetric Office (III): PORTLAND, OREGON
Officer-in-Charge: FRED. NATELLA

Instructions dated (II) (III): 6 JAN. 1960
AMENDMENT I: 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

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.: 33º 40' 56.662" Long.: 118º 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.
Areas contoured by various personnel
(Show name within area)
(II) (III)
DESCRIPTIVE REPORT - DATA RECORD

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

Planetable contouring by (II):

Completion Surveys by (II):

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

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

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

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

NONE
Date: 
Camera (kind or source) (III): C&GS SINGLE LENS "S"

PHOTOGRAPHS (III)

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<td>10-3-59</td>
<td>11:33</td>
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<td>4.5 FT. ABOVE M.L.L.W.</td>
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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):

Land Area (Sq. Statute Miles) (III): 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 Identified: 2
Number of BMs searched for (II): NONE Recovered: Identified: NONE
Number of Recoverable Photo Stations established (II): NONE
Number of Temporary Photo Hydro Stations established (III): NONE

Remarks:
FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11650

PROJECT PH-5908


See Desc. Report T-11643
PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11650

PROJECT PH-5908

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT FOR THE ENTIRE


FILED WITH DESC REPORT T-11640
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION (INDEX)</th>
<th>DATUM</th>
<th>LATITUDE OR Y-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>DATUM CORRECTION</th>
<th>N.A. 1927-DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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<td>FORWARD (BACK)</td>
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<td>1927</td>
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1 FT = .3048006 METER

COMPUTED BY: H.B. DATE: 3-9-60
CHECKED BY: D.N.W. DATE: 3-9-60

FORM 164 (4.23.54)
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:  
Fred Natella, CAPT, C&GS

Respectfully Submitted:  
James L. Harris,  
Portland District Officer, Cartographer
49. **Notes to the Hydrographer:**

None.
### PHOTOGRAMMETRIC OFFICE REVIEW

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
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<tbody>
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<td>PROJECTION AND GRIDS</td>
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<td>2.</td>
<td>TITLE</td>
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<td>3.</td>
<td>MANUSCRIPT NUMBERS</td>
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<td>4.</td>
<td>MANUSCRIPT SIZE</td>
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<td>5.</td>
<td>CONTROL STATIONS</td>
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<td>6.</td>
<td>HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY</td>
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<td>7.</td>
<td>HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</td>
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<tr>
<td>8.</td>
<td>BENCH MARKS</td>
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<td>9.</td>
<td>PLOTTING OF SEXTANT FIXES</td>
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<td>10.</td>
<td>PHOTOGRAMMETRIC PLOT REPORT</td>
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<td>11.</td>
<td>DETAIL POINTS</td>
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<td>12.</td>
<td>ALONGSHORE AREAS (Nautical Chart Data)</td>
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<td>13.</td>
<td>SHORELINE</td>
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<td>LOW-WATER LINE</td>
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<td>ROCKS, SHOALS, ETC.</td>
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<td>AIDS TO NAVIGATION</td>
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<td>OTHER ALONGSHORE FEATURES</td>
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<td>PHYSICAL FEATURES</td>
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<td>NATURAL GROUND COVER</td>
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<td>22.</td>
<td>PLANETABLE CONTOURS</td>
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<td>INSTRUMENT CONTOURS</td>
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<td>CONTOURS IN GENERAL</td>
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<td>25.</td>
<td>SPOT ELEVATIONS</td>
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<td>OTHER PHYSICAL FEATURES</td>
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<td>CULTURAL FEATURES</td>
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<td>28.</td>
<td>ROADS</td>
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<td>OTHER CULTURAL FEATURES</td>
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<td>32.</td>
<td>BOUNDARIES</td>
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<td>34.</td>
<td>GEOGRAPHIC NAMES</td>
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<td>35.</td>
<td>JUNCTIONS</td>
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<td>36.</td>
<td>LEGIBILITY OF THE MANUSCRIPT</td>
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<td>37.</td>
<td>DISCREPANCY OVERLAY</td>
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<td>DESCRIPTIVE REPORT</td>
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<td>39.</td>
<td>FIELD INSPECTION PHOTOGRAPHS</td>
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<td>40.</td>
<td>REVIEWER</td>
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<td>41.</td>
<td>SUPERVISOR</td>
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<tr>
<td>42.</td>
<td>REMARKS</td>
</tr>
</tbody>
</table>

#### FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

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.
48. Geographic Names List

Bolsa Chica Beach State Park
Gulf of Santa Catalina
Huntington Beach
Huntington Beach State Park

[Signature]

Geographic Names Section
4 April 1963
61. General Statement

These are six (6) shoreline maps of project PM-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-5530A | 1:10,000 | 1934 |
| T-5531 | 1:10,000 | 1933 |
| T-5532 | 1:10,000 | 1933 |

There are numerous cultural and shoreline changes 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
5162 1:50,000 Nov. 1960 revised to Dec. 1962

There are no differences of importance between the above charts and the subject manuscript.

66. Summary of Present and Future Surveys

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

Reviewed by:

[Signatures]

Approved by:

[Signatures]
# 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.

<table>
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<tr>
<th>CHART</th>
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<th>REMARKS</th>
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<td>5-25-46</td>
<td>Jones</td>
<td>Full Part Before Verification Review Inspection Signed Via Drawing No.</td>
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