

11656

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-11656

LOCALITY

State California

General locality Point Vicente to Dana Point

Locality ABALONE POINT

1969-1961

CHIEF OF PARTY

Fred Natella, CAPT., C&GS

LIBRARY & ARCHIVES

DATE Sept. 1963

USCOMM-DC 5087

11656

DATA RECORD

T- 11656

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

II, III 13 April 1960 (Amendment I)

Copy filed in Division of
Photogrammetry (IV)

Method of Compilation (III): KELBH 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): ABALONE POINT, 1884

Lat.: 33° 33' 14.032"

Long.: 117° 49' 06.934"

Adjusted X
Unadjusted

Plane Coordinates (IV):

State: CALIFORNIA

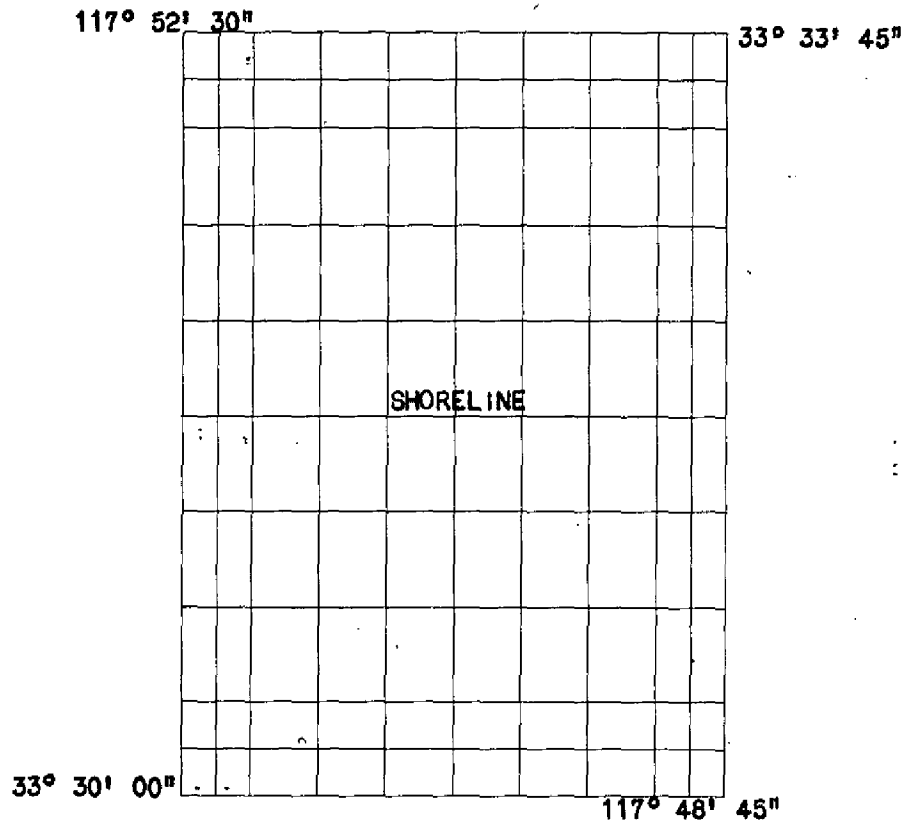
Zone: VI

Y= 508,330.67

X= 1,522,115.86

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): Charles H. Bishop, Robert B. Melby
Lyle L. Riggers

Date: February 1961

Planetable contouring by (II): NONE

Date:

Completion Surveys by (II): NONE

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: 10-19-61

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

Date: 11-1-61

Radial Plot or Stereoscopic
Control extension by (III):

R. E. FUESCHEL

Date: Oct. 1960

Stereoscopic Instrument compilation (III):

Planimetry D. N. WILLIAMS

Date: 2-6-62

Contours

Date:

Manuscript delineated by (III):

L. L. GRAVES, SCRIBING
C. C. HARRIS, STICK-UP

Date: 6-21-62
7-31-62

Photogrammetric Office Review by (II):

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

Date: 4-10-62
11-23-62

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

NONE

Date:

DESCRIPTIVE REPORT - DATA RECORD 5.

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

		PHOTOGRAPHS (III)			
Number	Date	Time	Scale	Stage of Tide	
59 S 8226 AND 8227	10-3-59	11:36	1:30,000	0.5' BELOW M.H.W.	
59 S 8255 AND 8256	"	12:02	"	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): 1
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
Number of BMs searched for (II): 0
Number of Recoverable Photo Stations established (III): NONE
Number of Temporary Photo Hydro Stations established (III): NONE

Remarks:

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

Date:

Date:

Date:

Date:

FIELD INSPECTION REPORT

Map Manuscript T-11656

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-11656

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 F11640

MAP T-11656	PROJECT NO.	PH-5908	SCALE OF MAP	1:10,000	SCALE FACTOR	None
-------------	-------------	---------	--------------	----------	--------------	------

[illegible]

COMPILATION REPORT
MAP MANUSCRIPT T-11656
PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

32. CONTROL:

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

33. SUPPLEMENTAL DATA:

SHEET NO. 42W AND SHEET NO. 42E, MAP OF ORANGE COUNTY, SCALE 1 INCH = 600 FT.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE WAS FIELD INSPECTED AND NONE COULD BE DETECTED BY EXAMINATION OF THE PHOTOGRAPHY.

35. SHORELINE AND ALONGSHORE DETAILS:

THE FIELD INSPECTION OF THE MEAN HIGH-WATER LINE WAS ADEQUATE. NO LOW-WATER LINE WAS FIELD INSPECTED AND NO LOW-WATER PHOTOGRAPHY WAS AVAILABLE. ROCK LEDGE AREAS ALONGSHORE WERE INDICATED BY THE FIELD INSPECTION AND THEIR LIMITS WERE DELINEATED BY THE COMPILER BY INTERPRETATION ON THE PHOTOGRAPHY. ELEVATIONS AT THE TIME OF FIELD INSPECTION OF ROCKS ALONGSHORE WERE FURNISHED BY THE FIELD UNIT. THESE VALUES WERE REDUCED TO THE VERTICAL 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-11655 ON THE NORTH AND WITH T-11657 ON THE EAST. TO THE SOUTH AND WEST IS THE GULF OF SANTA CATALINA.

40. HORIZONTAL AND VERTICAL ACCURACY:

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S 7½ MINUTE LAGUNA BEACH, 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. 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, CAPT, C&GS
PORTLAND DISTRICT OFFICER


JAMES L. HARRIS
CARTOGRAPHER

49. NOTES TO THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-~~11653~~ T-11656

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 X	30. OTHER CULTURAL FEATURES X
BOUNDARIES			
31. BOUNDARY LINES X		32. PUBLIC LAND LINES X	
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			

48. Geographic Names List

Abalone Point

Emerald Point

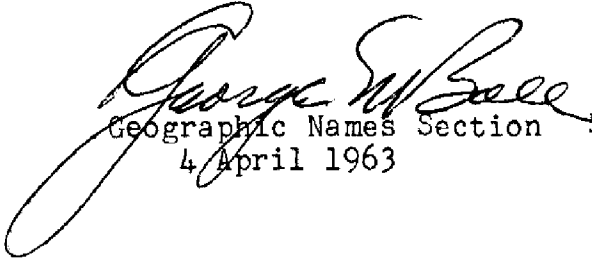
El Morro Beach

Gulf of Santa Catalina

Irvine Cove

Morro Canyon

Scotchmens Cove


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 Hearn
Chief, Cartographic Branch

Louise G. Taylor
Chief, Nautical Chart Division

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

Howard S. Connerly
Chief, Operations Division

