11651

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-11651

LOCALITY

State CALIFORNIA

General locality ORANGE COUNTY

Locality SANTA ANA RIVER

19 59-1960

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE AUG 1-1963

USCOMM-DC 5087

11651

FORM 181
(4-23-54)

2.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

T - 11651

Project No. (II): Ph-5908 Quadrangle Name (IV):

Field Office (II): Santa Ana, California Chief of Party: Fred Natella
Unit Chief: Charles H. Bishop

Photogrammetric Office (III): Portland, Oregon Officer-in-Charge: Fred Natella

Instructions dated (II) (III): II III 6 January 1960
13 April 1960 Amend. 1

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): THERE ARE NO TRIANGULATION STATIONS WITHIN THE LIMITS OF THIS MANUSCRIPT. REFER TO ADJACENT MANUSCRIPT T-11652.

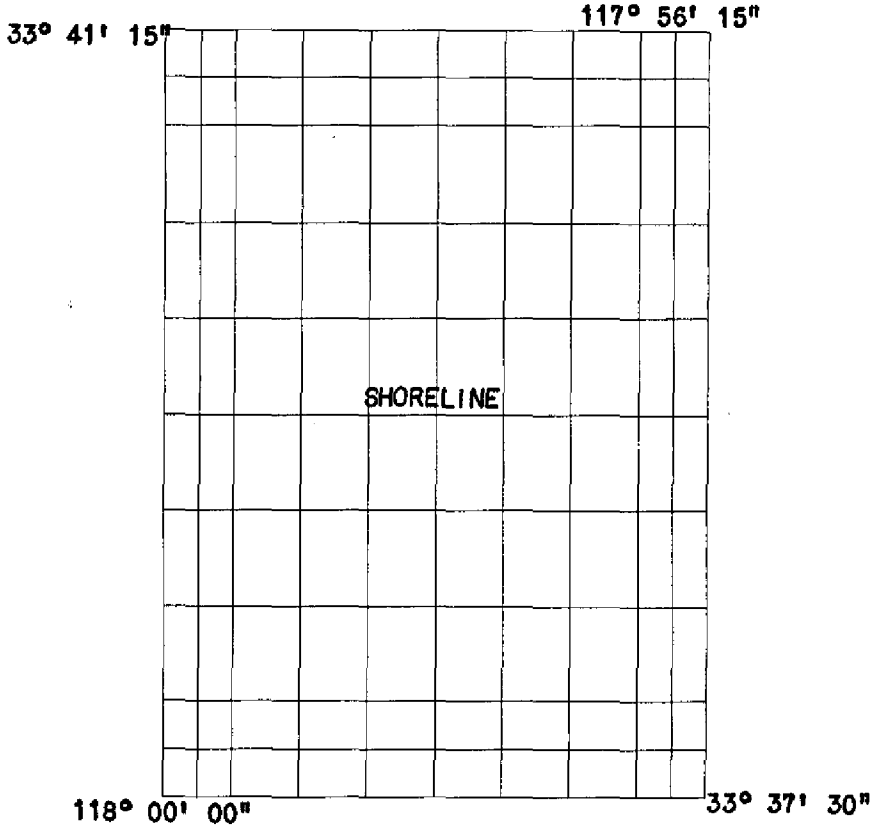
Lat.: Long.: Adjusted
Unadjusted

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.



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

FORM 181b
(4-23-54)

4.

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

Field Inspection by (II): Robert B. Melby, Charles H. Bishop
Lyle L. Riggers
Date: December 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 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: 9-30-60
Control plotted by (III):	C. H. Bishop	Date: 10-13-61
Control checked by (III):	L. L. Graves	Date: 10-27-61
Radial Plot or Stereoscopic Control extension by (III):	R. E. Fuesche l	Date: Oct. 1961
Stereoscopic Instrument compilation (III):	Planimetry D. N. Williams	Date: 12-19-61
	Contours	Date:
Manuscript delineated by (III):	C. H. Bishop, Scribing C. C. Harris, Stick-up	Date: 6-18-62 11-2-62
Photogrammetric Office Review by (III):	J. L. Harris, rough draft J. L. Harris, advance	Date: 1-18-62 11-8-62
Elevations on Manuscript checked by (II) (III):		Date:

COMM-DC-57842

FORM 181c
(4-23-54)

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

DESCRIPTIVE REPORT - DATA RECORD

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

PHOTOGRAPHS (III)

Number	Date	Time	Scale	Stage of Tide
59 S 8217 THRU 8219	10-3-59	11:33	1:30,000	4.3 FT. ABOVE M.L.L.W.

Tide (III)

	Ratio of Ranges	Mean Range	Spring Range
Reference Station: LOS ANGELES, CALIFORNIA		3.8	5.4
Subordinate Station: BALBOA (OCEAN PIER), CALIFORNIA		3.7	5.3
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): 19

Shoreline (More than 200 meters to opposite shore) (III): 11

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

Control Leveling - Miles (II):

Number of Triangulation Stations searched for (II): 16 Recovered: 0 Identified: 0

Number of BMs searched for (II): 2 Recovered: 2 Identified: 1

Number of Recoverable Photo Stations established (III): 3

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

Remarks:

COMM-DC-57842

FIELD INSPECTION REPORT

Project Ph-5908

Sheets 11651, 11652, 11653 and 11654

Vicinity of Newport Beach, California

February 1961

2. Areal Field Inspection:

Field inspection was done in accordance with Instructions - Project PH-5908, Shoreline Mapping, Long Beach to Laguna Beach, California, Field and Office, dated 6 January 1960 and Ammendment I, dated 13 April 1960.

The major portion of the developed area is occupied by residential housing.

Newport Bay, a sheltered bay, abounds with numerous small boat moorings and anchorages. Its entrance is protected by two boulder jetties. The area surrounding the bay is highly developed with residences, tourist and marine facilities.

Upper Newport Bay is a shallow narrow body of water with salt evaporating ponds at its upper end.

Southeastward from the mouth of Newport Bay the coastline is marked by irregular bluffs with submerged rocky ledges extending to seaward, and offshore rocks.

The quality of the photographs furnished the field unit was satisfactory.

Field inspection and identification is inked on the following photographs:

59 S 8219, 59 S 8220, 59 S 8221, 59 S 8222, 59 S 8223, 59 S 8261 and 59 S 8264.

3. Horizontal Control:

(a) No supplemental control was established

(b) No datum adjustments were made by the field party.

(c) Only control established by the Coast and Geodetic Survey was searched for.

(d) All stations required by project instructions for control of compilation were recovered and positively identified.

(e) The following Coast and Geodetic Survey stations have been reported on Form 526 as lost, probably lost or destroyed:

Sheet 11651

BITTER LAKE 1874
BITTER POINT 1875
BLACK KNOB 1874
CACTUS KNOLL 1874
CLAM POINT 1874
CLAM POINT 2, 1956
Clam Point Standpipe 1933
Hol 1933
HUNTINGTON 1932
Laguna Beach, Pumping Station 1932
Newport Beach, Nuoil Co., Derrick 1933
Pacific Gun Club, Apex of Roof 1911
SAND CONE 1875
SCALLOP POINT 1874
SCALLOP POINT 2, 1946
Small House on Beach, West Gable 1911

Sheet 11652

Barn, South Gable 1932
BOWEN 1928
CHALK ROCK 1875
DERBY 1932
DERRICK NO. 1, 1911
LA MESA 1873
Meyer's House, South Gable 1911
Newport Beach, Black Tank (near AERATOR) 1933
Newport Boulevard, Standpipe 1933
Northerly Derrick 1911

Sheet 11653

None

Sheet 11654

BALBOA 1911
BEACH 1911
Brown House on Mesa, Flagstaff 1911
Corona Del Mar Hotel, Flagstaff 1911
DERRICK NO. 2, 1911
DERRICK NO. 3, 1911
DUNE 1875
Flagpole Near Newport School 1911
FIRST BEND 1875
Newport Bay, Breakwater Light 1933
Newport Beach, Beacon No. 7A, 1933
Newport Pavilion, Main Flag, 1911
Newport Pier, Flagstaff, 1933
Newport Pier, Lamp Post 1932
Newport School, Cupola 1911
Powerhouse, Red Tower 1911
PRICKLY POINT 1875
PRICKLY POINT 2, 1932
ROCK 1875
SAND POINT 1875
TURNING POINT 1875
East Newport Pier, Southeast Corner Pile 1911
East Newport, Northwest Corner of Boathouse 1911
Flagstaff, South End of High Green Roof with White Ridgeboard 1911
Island, Cement House, Southwest Corner Tile Cornice 1911
Last Cottage on Mesa, Southwest Gable of Roof 1911
Newport Bay, Weather Bureau Tower 1933
Newport Beach, Lido Isle, Clubhouse Spire 1933
White Pavilion on Bluff, Southwest Corner 1911

Station CAMP 1875, an old intersection station with a no-check position, was recovered, remarked and intersected from Stations AIRWAY 1928, FRENCH 1928, BARANCA 1928 and SAND HILL 1932. As SAND HILL is in a different arc adjustment, its position was re-determined from the line FRENCH - BARANCA. The line AIRWAY - CAMP was observed through a tree and the results are doubtful.

There is now a tie between Station SAND HILL and Stations BARANCA and FRENCH. Previously, lines to these stations had not been observed from SAND HILL.

4. Vertical Control:

The project instructions require the recovery and identification of tidal bench marks only. Fifteen tidal bench marks were searched for and all were recovered. One or two tidal benchmarks representative of each group were identified on the field photographs.

Form 685A, Recovery Note, Bench Mark is submitted for all bench marks searched for.

5. Contours and Drainage:

Countours are not applicable.

There are no streams in the area except the Santa Ana River, which is an intermittent stream. There are several flood control canals in the area to carry off the surplus drainage during torrential downpours that happen occasionally.

The courses of intermittent drainage have been indicated on the field photographs.

6. Woodland Cover:

The area is devoid of woodland cover except for shade or ornamental trees planted in residential sections, and an occasional row of eucalyptus trees serving as wind breaks. Some scrub brush is found along the courses of the intermittent drainage. None of the cover was considered of sufficient importance to delineate on the field photographs.

7. Shoreline and Alongshore Features:

(a) The mean high water line has been indicated on the field photographs. The majority of the mean high water line on the coastline is somewhat unstable, due to the accretion and erosion of the sand beaches by sea action. In these areas the mean high water line was determined by measurements from identifiable points on the photographs.

In Newport Bay the mean high water line in some areas is fixed by piers or seawalls, while in other areas it is on narrow sand beaches. Three changes in the shoreline since the time of photography were mapped directly on Photographs 59 S 8220 and 59 S 8223 by planetable methods.

(b) The low water line was not indicated.

(c) The character of the foreshore has been indicated on the field photographs.

(d) Bluffs and cliffs are found southeastward along the coastline from the mouth of Newport Bay and along portions of Upper Newport Bay. The heights of the bluffs were estimated and noted on the respective field photographs.

(e) Newport Bay has numerous piers, floating piers, landings, etc. Due to the large number of small piers and their proximity to each other, individual piers were not noted on the field photographs. The images of these small piers are apparent on the photography and can probably be compiled without additional annotation. A typical construction of these small piers is as follows: From the inshore end, the pier projects seaward, supported by piling. The outer end is hinged to a ramp which is access to a rectangular or horseshoe-shaped float. These floats are secured to piling and are left in the water the year around.

Marine railways and paved boat launching ramps have been indicated on the field photographs.

Two recreation piers are on the seaward side of the Balboa District of Newport Beach.

(f) The shore ends of submarine cables have been indicated on the field photographs.

(g) The slips of an auto ferry crossing between the Balboa District of Newport Beach and Balboa Island have been indicated on Photograph 59 S 8222.

Four targets marking the two ranges of a measured nautical mile were identified on Photograph 59 S 8222. A copy of Form 567, Nonfloating Aids or Landmarks for Charts, prepared by the Los Angeles District Office and submitted with the field data for the area covered by this report lists geographic positions for these targets. The positions were determined from observations made by personnel of the Los Angeles District Office.

8. Offshore Features:

The mouth of the Santa Ana River and two adjacent flood control canals are protected by boulder jetties. At the northwest side of the mouth of the Santa Ana River is a short boulder groin which protects the inshore end of a sewer outfall pipeline.

The entrance to Newport Bay is protected by two boulder jetties that bare at all stages of the tide. In Newport Bay are several small groins to aid in resisting the erosion of sand beaches. Piles and dolphins were denoted on the field photographs. Several new piles in Upper Newport Bay were located by sextant fixes, which are recorded on the backs of the respective photographs, and by planetable methods.

Southeast of the entrance to Newport Bay the coastline is marked by rocks and rocky ledges. The rocks and their respective heights above mean high water and the rocky ledges have been indicated on the field photographs.

9. Landmarks and Aids:

(a) All charted landmarks were investigated. Those still in existance were identified on the field photographs and listed on Form 567 as LANDMARKS TO BE CHARTED. Charted landmarks that no longer exist have been listed on Form 567 as LANDMARKS TO BE DELETED. Two new landmarks were selected and listed on Form 567 as LANDMARKS TO BE CHARTED.

(b) Large buildings of landmark value and public buildings within the limits of interior field inspection were indicated on the field photographs.

(c) One aeronautical aid, a fan marker, was identified on Field Photograph 59 S 8264.

(d) All fixed aids to navigation were identified on the field photographs and listed on Form 567 as NONFLOATING AIDS TO NAVIGATION TO BE CHARTED. Newport Bay West Jetty Light was previously located by triangulation in 1937. This fulfills the requirements of Ammendment I to the project Instructions.

(e) Floating aids are not applicable.

10. Boundaries, Monuments and Lines:

Boundaries and monuments are not applicable.

Limit lines of the following parks have been indicated on the field photographs:

Park	Photo
Huntington Beach State Park	59 S 8219
Channel Rock	59 S 8221
Newport Isle Park	59 S 8221
38th Street Park	59 S 8221
Balboa Pier Park	59 S 8222
L Street Park	59 S 8222
M. Street Park	59 S 8222
Corona Del Mar State-City Beach Park	59 S 8223

The limits of Corona Del Mar State-City Beach Park are somewhat indefinite and no limit lines are shown.

11. Other Control:

No other control was established.

12. Other Interior Features:

Roads and buildings were classified on the field photographs.

Bridges, overhead cables and pipeline crossings were indicated on the field photographs. Clearances for bridge and overhead cables that already appear on charts were not redetermined. Two previously uncharted cable crossings over Grand Canal at Balboa Island were determined in the field and noted on Photograph 59 S 8222.

The general area of the oil fields have been indicated on the field photographs.

There is an abandoned airfield on the east side of Upper Newport Bay. This airfield is closed and at the present time the asphalt surfacing of the runway has been removed.

A steam-electric generating plant southeast of Huntington Beach has been indicated on Photograph 59 S 8219.

13. Geographic Names:

Geographic names will be the subject of a special report.

14. Special Reports and Supplemental Data:

a. Coast Pilot Report, Pacific Coast, Dana Point to Point Vicente, California, Project Ph-5908, dated January 1961. This report was submitted January 1961.

b. GEOGRAPHIC NAMES REPORT, PART II, Pacific Coast, Terminal Island to Dana Point, California, Project Ph-5908, dated February 1961.

c. Three Orange County Road Maps numbered 37E, 37W and 42W for street names in Newport Beach.

Approved:

Fred Natella
by JHD

Fred Natella,
CAPT, C&GS
Portland District Officer

Respectfully submitted:

Charles H. Bishop

Charles H. Bishop
Cartographer, C&GS

Robert B. Melby

Robert B. Melby
Surveying Technician

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11651

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

FORM 164
(4-23-54)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY
DESCRIPTIVE REPORT
CONTROL RECORD

MAP T-11651 PROJECT NO. PH-5908 SCALE OF MAP 1:10,000 SCALE FACTOR

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS FORWARD (BACK)	DATUM CORRECTION	N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)	FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS FORWARD (BACK)
			NO TRIANGULATION RECOVERED OR IDENTIFIED.				

1 FT. = .3048006 METER

COMPUTED BY: DATE CHECKED BY: DATE

COMM-DC-57843

COMPILATION REPORT

MAP MANUSCRIPT T-11651

PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

32. CONTROL:

THE SUPPLEMENTARY CONTROL ESTABLISHED BY STEREOPLANIGRAPH INSTRUMENT BRIDGING WAS ADEQUATE.

NO HORIZONTAL CONTROL STATIONS ARE LOCATED WITHIN THE LIMITS OF THIS MAP MANUSCRIPT.

33. SUPPLEMENTAL DATA:

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

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

DRAINAGE WAS COMPILED AS INDICATED BY THE FIELD INSPECTION. COMPARISON WITH THE U.S.G.S. QUADRANGLE AND OTHER AVAILABLE MAPS OF THE AREA INDICATES THAT THE COMPILED DRAINAGE IS COMPLETE.

35. SHORELINE AND ALONGSHORE DETAILS:

SHORELINE INSPECTION FOR THE HIGH-WATER LINE WAS ADEQUATE. AS NO PHOTOGRAPHY TAKEN AT THE LOW-WATER STAGE WAS AVAILABLE, THE LOW-WATER LINE WAS NOT SHOWN.

36. OFFSHORE DETAILS:

NONE.

37. LANDMARKS AND AIDS:

TWO LANDMARKS AND ONE AERONAUTICAL AID WERE IDENTIFIED ON THE FIELD PHOTOGRAPHS AND LOCATED BY KELSH INSTRUMENT.

FORMS 567 ARE SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

No recoverable topographic stations and no photo-hydro stations were established.

39. JUNCTIONS:

Satisfactory junctions were made with T-11650 on the west, T-11653 on the south and T-11652 on the east. 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. 7½ 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

FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:

James L. Harris

JAMES L. HARRIS
CARTOGRAPHER

49. NOTES FOR THE HYDROGRAPHER:

NONE.

C&GS FORM 1002
(11-13-61)

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

T-~~10013~~ 11651

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
X	X	X	X

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY *(Topographic stations)*	7. PHOTO HYDRO STATIONS
None	None	None

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
✓	None	X	None

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
X	X	X	X

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
X	X	X	X

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
X	X	None

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
None	None	None	X

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
X	X	X	X

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
X	None

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
X	X	X

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
None	X	X	X

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
James L. Harris	

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-11651

48. Geographic Names List

Gulf of Santa Catalina

Huntington Beach

Huntington Beach State Park

Newport Beach

Santa Ana River

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 PR-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. Lande

Approved by:

Chief, Cartographic Br.

Chief, Photogrammetry Div. 8/1/63

Chief, Nautical Charts Division

Chief, Operations Division

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. T-11651

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.

CHART	DATE	CARTOGRAPHER	REMARKS
5142	5-25-76	Gail Jones	Full ~~Part Before~~ After ~~Verification~~ Review ~~Inspection~~ Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
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