

11648

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-11648

LOCALITY

State CALIFORNIA

General locality SEAL BEACH

Locality ANAHEIM BAY

1959-1960

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE Sept. 1963

USCOMM-DC 5087

11648

DESCRIPTIVE REPORT - DATA RECORD

T - 11648

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 JANUARY 1960 II, III

Copy filed in Division of

AMENDMENT I:

13 APRIL 1960 II

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): SEAL BEACH 2, 1937

Lat.: 33° 44' 35.616"

Long.: 118° 06' 43.193"

Adjusted X

Unadjusted

Plane Coordinates (IV):

State: CALIFORNIA Zone: VI

Y= 578,682.32

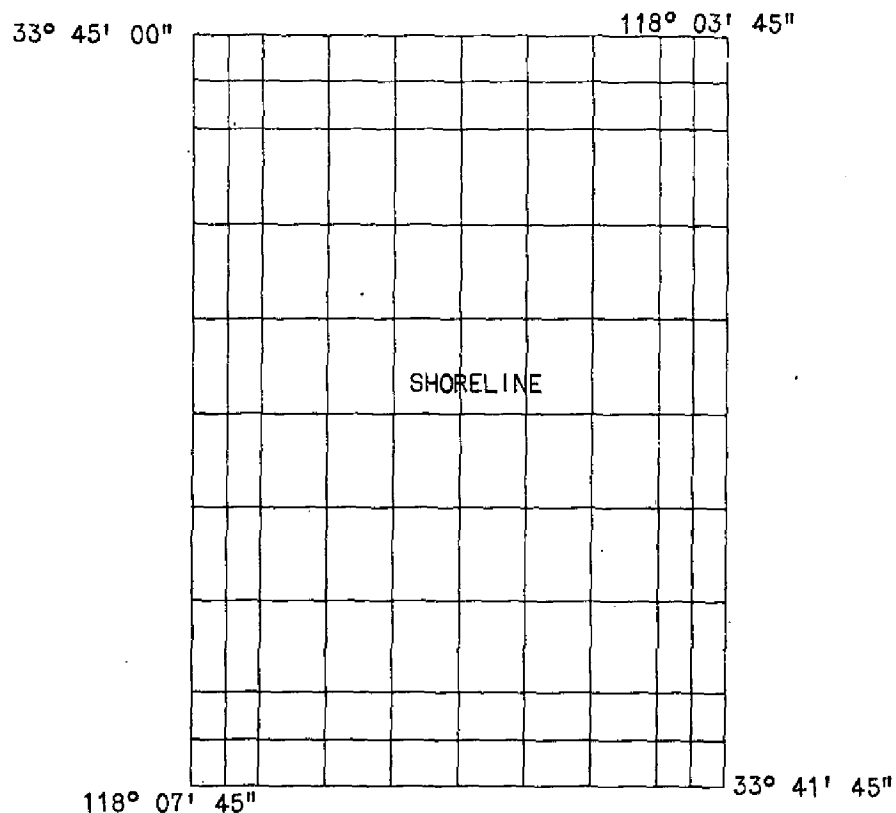
X= 1,433,966.63

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.

FORM 181a
(4-23-54)

DESCRIPTIVE REPORT - DATA RECORD

U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

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: SEPT. - NOV.
1960

Planetable contouring by (II): NONE Date:

Completion Surveys by (II): NONE Date:

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

Projection and Grids ruled by (IV): R.A.C. Date: 9-29-60

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

Control plotted by (III): C. H. BISHOP Date: 10-11-61

Control checked by (III): D. N. WILLIAMS Date: 10-12-61

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

Planimetry D. N. WILLIAMS Date: 11-6-61
Stereoscopic Instrument compilation (III): Contours Date:

Manuscript delineated by (III): L. L. GRAVES, SCRIBING Date: 5-10-62
C. C. HARRIS, STICK-UP 7-10-62

Photogrammetric Office Review by (III): J. L. HARRIS, ROUGH DRAFT Date: 1-9-62
J. L. HARRIS, ADVANCE 11-2-62

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

DESCRIPTIVE REPORT - DATA RECORD

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

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

PHOTOGRAPHS (III)				
Number	Date	Time	Scale	Stage of Tide
59-S-8188	10-3-59	11:16	1:30,000	4.7' ABOVE M.L.L.W.
59-S-8210	"	11:30	"	" " "
THRU 8213	"			
59-S-7958	10-2-59	14:15	1:10,000	0.1' " "
THRU 7961				

COLOR TRANSPARENCIES

Tide (III)

Reference Station: LOS ANGELES, CALIFORNIA
 Subordinate Station: LONG BEACH (OUTER HARBOR), CALIFORNIA
 Subordinate Station: COMPUTED FROM PREDICTED TIDE TABLES

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

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): 3
 Shoreline (More than 200 meters to opposite shore) (III): 6
 Shoreline (Less than 200 meters to opposite shore) (III): NONE
 Control Leveling - Miles (II):
 Number of Triangulation Stations searched for (II): 28 Recovered: 17 Identified: 6
 Number of BMs searched for (II): 16 Recovered: 15 Identified: 3
 Number of Recoverable Photo Stations established (III): 11
 Number of Temporary Photo Hydro Stations established (III): NONE

Remarks:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11643

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 1-28-61.~~

See Desc. Report T 11643

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11648

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

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

MAP T. 11648

PROJECT NO. PH-5908

SCALE OF MAP 1:10,000

SCALE FACTOR NONE

STATION	ZONE VI SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD	(BACK)		FORWARD	(BACK)	
SEAL BEACH 2, 1937	P.11	N.A. 1927	578,682.32	3682.32	(1317.68)		1122.4	(401.6)	
			1,433,966.63	3966.63	(1033.37)		1209.0	(315.0)	
SUB STA. "A"	OFFICE COMP.	"	578,809.61	3809.61	(1190.39)		1161.2	(362.8)	
			1,433,989.88	3989.88	(1010.12)		1216.1	(307.9)	
SUB STA. "B"	"	"	578,667.46	3667.46	(1332.54)		1117.8	(406.2)	
			1,434,184.93	4184.93	(815.07)		1275.6	(248.4)	
SEAL BEACH LOS ANGELES GAS & ELECTRIC CORP. STACK, 1926	P.14	"	579,022.98	4022.98	(977.02)		1226.2	(297.8)	
			1,433,951.26	3951.26	(1048.74)		1204.3	(319.7)	
SEAL BEACH, NAVY DEPOT, RADAR TOWER, 1956	P.182	"	573,984.78	3984.78	(1015.22)		1214.6	(309.4)	
			1,441,911.84	1911.84	(3088.16)		582.7	(941.3)	
SEAL BEACH, NAVY DEPOT, NORTH WATER TANK, 1956	P.182	"	580,225.00	225.0	(4775.0)		68.6	(1455.4)	
			1,441,025.81	1025.81	(3974.19)		312.7	(1211.3)	
SEAL BEACH, NAVY DEPOT, SOUTH WATER TANK, 1956	P.182	"	579,464.72	4464.72	(535.28)		1360.8	(163.2)	
			1,441,486.97	1486.97	(3513.03)		453.2	(1070.8)	
SUNSET BEACH, SUNSET LAND & WATER CO., NORTHWEST WATER TANK, 1956	P.182	"	571,622.05	1622.05	(3377.95)		494.4	(1029.6)	
			1,444,314.61	4314.61	(685.39)		1315.1	(208.9)	
BENCH MARK C 168 1956	P.182	"	574,187.62	4187.62	(812.38)		1276.4	(247.6)	
			1,442,029.70	2029.7	(2970.3)		618.7	(905.3)	
BENCH MARK N 766 1956	P.182	"	576,936.36	1936.36	(3063.64)		590.2	(933.8)	10
			1,440,843.47	843.47	(4156.53)		257.1	(1266.9)	
BRIDGE, 1956	P.182	"	574,226.61	4226.61	(773.39)		1288.3	(235.7)	
			1,441,962.72	1962.72	(3037.28)		598.2	(925.8)	
KNIGHT, 1933	P.11	"	579,155.20	4155.2	(844.8)		1266.5	(257.5)	
			1,433,884.20	3884.2	(1115.8)		1183.9	(340.1)	

1 FT. = 3048006 METER

COMPUTED BY: J.L.H.
D.N.W.

DATE

3-9-60
10-5-61

CHECKED BY:

D.N.W.
C.H.B.

DATE

3-9-60
10-5-61

COMM-DC-57843

MAP T-11648

PROJECT NO.:

PH-5908

SCALE OF MAP 1:10,000

SCALE FACTOR

NONE

STATION	ZONE VI SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE	DISTANCE FROM GRID IN FEET, OR PROJECTION LINE IN METERS		DATUM CORRECTION	N.A. 1927 - DATUM FROM GRID OR PROJECTION LINE IN METERS		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS	
				FORWARD	(BACK)		FORWARD	(BACK)	FORWARD	(BACK)
LONG BEACH BREAKWATER, EAST END LIGHT, 1953	P.82	N.A. 1927	571,515	1515	(3485.)		461.8	(1062.2)		
			1,426,497	1497	(3503)		456.3	(1067.7)		
SKIPPER, 1956	Pg. UNKNOWN	"	579,738.85	4738.8	(261.2)		1444.4	(79.6)		
			1,441,299.74	1299.7	(3700.3)		396.1	(1127.9)		
SLOUGH, 1872	P.21	"	576,101.36	1101.4	(3898.6)		335.7	(1188.3)		
			1,446,913.86	1913.9	(3086.1)		583.4	(940.6)		
ALAMITOS BAY, EAST JETTY LIGHT, 1960 (Topo)	ZONE VIII Long Beach	"	4,016,568.1	1568.1	(3431.9)		478.0	(1046.0)		
			4,251,730.9	1730.9	(3269.1)		527.6	(996.4)		
ALAMITOS BAY, WEST JETTY LIGHT, 1960 (Topo)	DO	"	4,016,866.4	1868.4	(3133.6)		568.9	(955.1)		
			4,251,195.0	1195.0	(3805.0)		364.2	(1159.8)		

1 FT. = .3048006 METER

C.H.B.

DATE 10-5-61

CHECKED BY: J.E.D.

DATE 10-11-61

COMM-DC-57843

COMPILATION REPORT

MAP MANUSCRIPT T-11648

PROJECT PH-5908

31. DELINEATION:

COMPILATION WAS BY KELSH INSTRUMENT.

THE WEST NEAT LIMITS OF THIS MANUSCRIPT WAS EXTENDED 15 SECONDS TO $118^{\circ} 07' 45''$. SEE LETTER TO THE WASHINGTON OFFICE DATED 23 APRIL 1962.

32. CONTROL:

SUPPLEMENTARY CONTROL ESTABLISHED BY STEREOPLANIGRAPH INSTRUMENT BRIDGING AND BASED UPON THE SIX IDENTIFIED HORIZONTAL CONTROL STATIONS WAS ADEQUATE.

33. SUPPLEMENTAL DATA:

CITY OF SEAL BEACH, SCALE 1" = 200 FT.

ACQUISITION MAP, ALAMITOS BEACH STATE PARK, STATE OF CALIFORNIA, DIVISION OF BEACHES AND PARKS, DEPARTMENT OF NATURAL RESOURCES, SCALE 1" = 200 FT.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

EXAMINATION OF THE U.S.G.S. QUADRANGLE AND OTHER MAPS OF THE AREA INDICATES THAT THE DRAINAGE AS FIELD INSPECTED AND COMPILED IS COMPLETE.

35. SHORELINE AND ALONGSHORE FEATURES:

SHORELINE INSPECTION WAS ADEQUATE. TWO STRETCHES OF THE M.H.W LINE, ONE ON THE NORTHWEST SIDE OF THE WEST JETTY AT THE ENTRANCE TO ALAMITOS BAY AND THE OTHER ON THE EAST SIDE OF THE SAN GABRIEL RIVER ENTRANCE, WERE LOCATED BY PLANETABLE. FOREWHORE AREAS SHOWN BETWEEN THE SAN GABRIEL RIVER ENTRANCE AND ANAHEIM BAY WERE COMPILED FROM COLOR TRANSPARNCIES TAKEN AT 0.1 FOOT ABOVE M.L.L.W. AND USING PREVIOUSLY COMPILED DETAIL AS CONTROL.

36. OFFSHORE DETAILS:

THE OIL-DRILLING ISLAND, APPROXIMATELY 0.6 MILE EAST OF THE LONG BEACH BREAKWATER AS REFERRED TO IN SIDE HEADING 8 OF THE FIELD INSPECTION REPORT, WAS NOT ADEQUATELY COVERED BY THE PHOTOGRAPHY. SEE COMMENTS UNDER LANDMARKS AND AIDS.

37. LANDMARKS AND AIDS:

FIVE LANDMARKS WERE LOCATED BY TRIANGULATION. TEN FIXED AIDS TO NAVIGATION WERE IDENTIFIED ON THE FIELD PHOTOGRAPHS AND LOCATED BY KELSH INSTRUMENT. ANOTHER FIXED AID ON THIS MANUSCRIPT IS LISTED AS FOG SIGNAL (P.D.). THE COAST GUARD STATION AT LONG BEACH, CALIFORNIA, INFORMED FIELD UNIT 722 THAT THIS FOG SIGNAL IS MOUNTED ON THE PILE STRUCTURE FORMERLY OCCUPIED BY TRIANGULATION STATION LIGHT ON TOWER, CENTER OF PILE STRUCTURE, 1953, NOW REPORTED DESTROYED. AS PHOTOGRAPHS DO NOT COVER THE AREA, THE POSITION SHOWN ON FORM 567 IS PROBABLY IDENTICAL WITH THE POSITION OF THE ABOVE TRIANGULATION STATION. CONSEQUENTLY, THE POSITION IS CONSIDERED DOUBTFUL AND FURTHER INVESTIGATION IS SUGGESTED.

FORMS 567 ARE SUBMITTED.

38. CONTROL FOR FUTURE SURVEYS:

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

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11643 ON THE NORTH AND T-11649 ON THE EAST. SAN PEDRO BAY IS ON THE WEST AND THE GULF OF SANTA CATALINA IS ON THE SOUTH.

40. HORIZONTAL AND VERTICAL ACCURACY:41. BRIDGE CLEARANCES:

THERE ARE FOUR FIXED BRIDGES IN THE AREA OF THIS MAP MANUSCRIPT. ALL ARE OVER ANAHEIM BAY AND ARE LISTED BELOW:

AT SURFSIDE, CALIFORNIA, FOOTBRIDGE CONNECTING OLD
HIGHWAY BRIDGE SECTIONS,

HORIZONTAL, 49 FT.; VERTICAL, 13 FT. ABOVE M.H.W.

PACIFIC ELECTRIC Rwy. BRIDGE AT SURFSIDE, CALIFORNIA

HORIZONTAL, 38 FT.; VERTICAL, 9 FT. ABOVE M.H.W..

US 101A HIGHWAY BRIDGE AT SURFSIDE, CALIFORNIA

HORIZONTAL, 49 FT.; VERTICAL, 9 FT. ABOVE M.H.W.

HIGHWAY BRIDGE AT SUNSET BEACH, CALIFORNIA

HORIZONTAL, 22 FT.; VERTICAL, 5 FT. ABOVE M.H.W.

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. 7 $\frac{1}{2}$ 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 1:234,270, 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

NAUTICAL CHART No. 5148, SCALE 1:18,000 AT LAT. 33° 43'

3RD ED. MAY 6, 1957, REVISED SEPT. 15, 1958

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

NONE.

ITEMS TO BE CARRIED FORWARD:

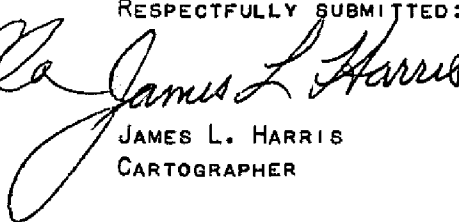
NONE.

APPROVED:



FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:



JAMES L. HARRIS
CARTOGRAPHER

49. NOTES FOR THE HYDROGRAPHER:

REFER TO FORMS 567 SUBMITTED FOR THIS MANUSCRIPT FOR FIXED
AIDS TO NAVIGATION.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10363 11648

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 X	9. PLOTTING OF SEXTANT FIXES X	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 X	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 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 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

Alongshore area for hydro	July 10, 1962	

NONFLOATING AIDS ~~ON CALIFORNIA COAST~~ CHARTSTO BE CHARTED
~~TO BE CHARTED~~
~~TO BE CHARTED~~ } STRIKE OUT TWO

PORTLAND, OREGON 5 JANUARY 19 62

I recommend that the following objects which have ~~been~~ been inspected from seaward to determine their value as landmarks be charted on ~~(insert name)~~ the charts indicated.

The positions given have been checked after listing by

J. L. HARRIS

FRED NATELLA Chief of Party

CALIFORNIA				POSITION					METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED					
STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	LATITUDE*		LONGITUDE*									DATUM				
				° ' "	D.M. METERS	° ' "	D.P. METERS	"											
HORN		FOG SIGNAL ON PILE STRUCTURE FORMERLY OCCUPIED BY LIGHT ON TOWER, CENTER OF PILE STRUCTURE, 1953, NOW DESTROYED. NOT IN L.L. FURTHER INVESTIGATION SUGGESTED.		33	43	18.29	563.5	118	07	28.83	742.3	N.A. TRIANGULATION	1953	X	X		5148 5142		
LIGHT		ANANEIM BAY, RANGE FRONT LIGHT	LL 109.5	33	44	13.24	408	118	05	29.87	769	"	11-18-60	X	X		5142 5148		
LIGHT		ANANEIM BAY, RANGE REAR LIGHT	LL 109.6	33	44	15.71	484	118	05	27.81	716	"	"	X	X		5142 5148		
LIGHT		ANANEIM BAY, WEST JETTY LIGHT 3	LL 110	33	43	38.95	1200	118	06	03.54	91	"	11-15-60	X	X		5142 5148		
LIGHT		ANANEIM BAY, EAST JETTY LIGHT 4	LL 111	33	43	35.86	1105	118	05	57.19	1472	"	11-18-60	X	X		5142 5148		
LIGHT		ANANEIM BAY, INNER JETTY LIGHT 7	LL 114	33	44	02.76	85	118	05	44.01	1133	"	11-15-60	X	X		5142 5148		
LIGHT		ANANEIM BAY, INNER JETTY LIGHT 8	LL 115	33	44	00.00	00	118	05	36.67	944	"	"	X	X		5142 5148		
LIGHT		ANANEIM BAY, CHANNEL LIGHT 9	LL 116	33	44	06.10	188	118	05	38.92	1002	"	"	X	X		5148		
LIGHT		ALAMITOS BAY, ENTRANCE EAST JETTY LIGHT	LL 117.5	33	44	11.20	345	118	07	09.91	255	"	11-14-60	X	X		5142 5148		
LIGHT		ALAMITOS BAY, ENTRANCE WEST JETTY LIGHT	LL 117.6	33	44	14.18	437	118	07	16.28	419	"	"	X	X		5142 5148		
LIGHT		PENINSULA POINT LIGHT	LL 117.7	33	44	43.78	1349	118	06	56.57	1456	"	11-8-60	X	X		5148		

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

BOXED FOR DELETION
BOXED FOR DELETION
TO BE DELETED

PORTLAND, OREGON

5 JANUARY 1962

I recommend that the following objects which ~~have~~ *(have not)* been inspected from seaward to determine their value as landmarks be ~~deleted from~~ *(deleted from)* the charts indicated.

The positions given have been checked after listing by J. L. HARRIS

FABIO NATELLA

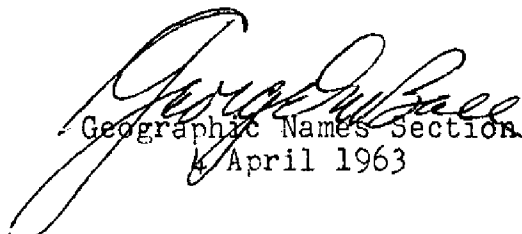
Chief of Party.

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

Alamitos Bay
Alamitos Beach State Park
Anaheim Bay
East Jetty
Gulf of Santa Catalina
Hog Island
Landing Hill
Long Beach
San Gabriel River
San Pedro Bay
Seal Beach
Seal Beach Municipal Pier
Sunset Bay
Sunset Beach
Surfside
West Jetty


Geographic Names Section
4 April 1963

Review Report
Shoreline Maps
T-11641 thru T-11643, T-11647 and T-11648
June 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 location of all non-floating aids and landmarks for use in the revision of our Nautical Charts.

62. Comparison with Registered Topographic Surveys

T-5032	1:10,000	1933
T-5033A	1:10,000	1934
T-5034A	1:10,000	1934

The shoreline in some areas has built out as much as 200 meters. In the vicinity of Lat. $33^{\circ}45'$, Long. $118^{\circ}13.5'$ (San Pedro Bay Area) the water front has been almost completely rebuilt. These maps are to supersede the above surveys for common area for Nautical Charting.

63. Comparison with Maps of Other Agencies

Seal Beach, Calif.	1:24,000	U.S.G.S.	1949
Los Alamitos, Calif.	1:24,000	U.S.G.S.	1949
Long Beach, Calif.	1:24,000	USCGS.	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

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

There are no differences of importance between the 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
L. C. Lande

Approved by:

Charles L. Lander *Samuel G. Taylor*
Chief, Photogrammetric Br. Chief, Nautical Charts Division

J. E. Waugh *8/21/63* *W. H. Connelley*
Chief, Photogrammetry Div. Chief, Operations Division

