

11882

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 6011 Office No. T-11882

LOCALITY

State CALIFORNIA

General locality SAN DIEGO

Locality SILVER STRAND

1960-1963

CHIEF OF PARTY

FRED NATELLA, CHIEF OF PARTY
P. A. STARK, PHOTOGRAMMETRIC OFFICE

LIBRARY & ARCHIVES

DATE _____

USCOMM-DC 5087

11882

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEYDESCRIPTIVE REPORT - DATA RECORD
T - 11882

PROJECT NO. (II):

21033

FIELD OFFICE (III):

OCEANSIDE, CALIFORNIA

CHIEF OF PARTY

FRED NATELLA

PHOTOGRAMMETRIC OFFICE (III):

PORTLAND, OREGON

OFFICER-IN-CHARGE

P. A. STARK

INSTRUCTIONS DATED (II) (III):

DECEMBER 20, 1960 II, III

AMENDMENT 1: AUGUST 31, 1961 II, III

AMENDMENT 1: APRIL 25, 1963 III

AMENDMENT 2: OCTOBER 1, 1963 III

METHOD OF COMPILATION (III):

KELSH INSTRUMENT

MANUSCRIPT SCALE (III):

1:10,000

STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:7000

PANTOGRAPH SCALE: 1:10,000

DATE RECEIVED IN WASHINGTON OFFICE (IV):

DATE REPORTED TO NAUTICAL CHART BRANCH (IV):

APPLIED TO CHART NO.

DATE:

DATE REGISTERED (IV):

GEOGRAPHIC DATUM (III):

N.A. 1927

VERTICAL DATUM (III):

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):

COVE USE 2, 1957

LAT.:

32° 38' 19.103"

LONG.:

117° 08' 16.894"

 ADJUSTED UNADJUSTED

PLANE COORDINATES (IV):

y = 172,889.14

x = 1,726,612.72

STATE

CALIFORNIA

ZONE

6

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

FIELD INSPECTION BY (II): R. B. MELBY		DATE: OCT. 1962 TO APRIL 1963
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): FIELD INSPECTION JANUARY - FEBRUARY 1963. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A. ROUNDTREE		DATE 10-17-63
PROJECTION AND GRIDS CHECKED BY (IV): R. KORNSPAN		DATE 10-18-63
CONTROL PLOTTED BY (III): J. L. HARRIS		DATE 7-2--64
CONTROL CHECKED BY (III): L. L. RIGGERS		DATE 7-22-64
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): H. P. EICHERT		DATE JUNE 1964
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY R. H. MEYER	DATE 9-10-64
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III):		DATE
SCRIBING BY (III): L. L. GRAVES STICK-UP: C. C. HARRIS		DATE 10-5-64 11-5-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: J. L. HARRIS ADVANCE: R. H. MEYER		DATE 9-23-64 12-11-64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS TYPE S

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 S 663A THRU 665A 556A THRU 563A	9-2-60 "	12:11 11:29	1:10,000 "	1.6' ABOVE M.L.L.W. 2.0' " "
RATIO PRINTS OF THE ABOVE AT 1:5000				

TIDE (III)

DIURNAL

	RATIO OF RANGES	MEAN RANGE	SPRING RANGE
REFERENCE STATION: SAN DIEGO, CALIFORNIA		4.2	5.8
SUBORDINATE STATION:			
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (II): 36

RECOVERED: 7

IDENTIFIED: 4

NUMBER OF BM(S) SEARCHED FOR (II):

SEE FIELD INSPECTION REPORT

RECOVERED:

IDENTIFIED

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): 17

NUMBER OF TEMPORARY PHOTO HYDRO STATIONS ESTABLISHED (III): NONE

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11882

PROJECT 21033

REFER TO THE FIELD INSPECTION REPORT BY ROBERT B. MELBY FOR
T-11879 THRU T-11893, DATED OCTOBER 1962 TO APRIL 1963, INCLUDED
WITH THE DESCRIPTIVE REPORT FOR T-11879.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11882

PROJECT 21033

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT BY HENRY P. EICHERT,
DATED JUNE 1964, INCLUDED WITH THE DESCRIPTIVE REPORT FOR T-11879.

COMPILATION REPORT
MAP MANUSCRIPT T-11882
PROJECT 21033

31. DELINEATION:

ALL FEATURES WERE COMPILED BY USE OF THE KELSH INSTRUMENT.

32. CONTROL:

REFER TO THE COMPILATION REPORT FOR T-11879.

33. SUPPLEMENTAL DATA:

COMPARISON WAS MADE WITH THE FOLLOWING MAPS:

U.S. NAVAL STATION COMPLEX, KEY MAP.
MAP OF SILVER STRAND BEACH STATE PARK.

34. CONTOURS AND DRAINAGE:

CONTOURS ARE NOT APPLICABLE.

NO DRAINAGE IS IN THE AREA OF THIS MANUSCRIPT.

35. SHORELINE AND ALONGSHORE DETAILS:

THE MEAN HIGH WATER LINE, ALONG WITH PIERS, FLOATS AND PILING WAS COMPILED AS FIELD INSPECTED. ALONG THE SEAWARD SHORE OF THE PENINSULA OF SAN DIEGO, THE MEAN HIGH WATER LINE WAS FREQUENTLY LOCATED BY MEASURED DISTANCES FROM IDENTIFIED OBJECTS. ONE WRECK WAS LOCATED BY SEXTANT FIX. THE CHARACTER OF THE ALONGSHORE AREA HAS BEEN INDICATED BY LABEL OR SYMBOL. NO LOW WATER LINE WAS SHOWN.

36. OFFSHORE DETAILS:

A LONE PILE IN GLORIETTA BAY WAS LOCATED BY SEXTANT FIX.

SEVERAL OF THE STRUCTURES MARKING THE SEAPLANE LANE IN SOUTH SAN DIEGO BAY WERE IDENTIFIABLE IN THE KELSH MODELS AND DROPPED. ADDITIONAL MARKERS WERE LOCATED BY PROJECTING RADIO PRINTS TO THE MANUSCRIPT USING THE SALTZMAN PROJECTOR AND HOLDING THE KELSH DROPPED POINTS. THE PATTERN OF THE SEAPLANE LANE WAS COMPLETED BY COMPILING THE NONVISIBLE MARKS IN RELATIVE POSITION.

37. LANDMARKS AND AIDS:

TEN NONFLOATING AIDS, TWO AERONAUTICAL AIDS AND SIX LANDMARKS WERE IDENTIFIED AND RECOMMENDED FOR CHARTING. FORMS 567 ARE SUBMITTED. SOME OF THESE FEATURES WERE LOCATED BY DISTANCE AND DIRECTION FROM IDENTIFIED SUB POINTS. OTHERS WERE LOCATED BY SEXTANT FIX.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11892 TO THE SOUTH, WITH T-11881 TO THE WEST, WITH T-11880 TO THE NORTH AND WITH T-11883 TO THE EAST.

40. HORIZONTAL AND VERTICAL ACCURACY:46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. $7\frac{1}{2}$ MINUTE POINT LOMA, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1948.

47. COMPARISON WITH NAUTICAL CHARTS:

COMPARISON WAS MADE WITH NAUTICAL CHART 5101, SCALE 1:234,270 AT LAT. $33^{\circ} 20'$, 6TH EDITION OCT. 2, 1961, REVISED 9-24-64; WITH NAUTICAL CHART 5105, SCALE 1:12,000 AT LAT. $32^{\circ} 42'$, 10TH EDITION, FEBRUARY 12, 1962, REVISED 2-11-63; AND WITH NAUTICAL CHART 5107, SCALE 1:20,000 AT LAT. $32^{\circ} 40'$, 23RD EDITION, NOV. 12, 1962.

APPROVED:

for *Leo F. Bennett*
P. A. STARK, CDR, C&GS
PORTLAND FIELD OFFICER

SUBMITTED:

James L. Harris
JAMES L. HARRIS
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

LISTED BELOW ARE THE GEOGRAPHIC NAMES SHOWN ON THIS MANUSCRIPT. THESE NAMES WERE FURNISHED BY THE WASHINGTON OFFICE AND UNDERLINED ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. 7½ MINUTE, POINT LOMA, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1948.

CORONADO
GLORIETTA BAY
LAS CHOLLAS CREEK
PACIFIC OCEAN
PENINSULA OF SAN DIEGO
SAN DIEGO BAY
SILVER STRAND
SILVER STRAND STATE PARK

*Names approved
8-3-65
A. J. Wright*

49. NOTES FOR THE HYDROGRAPHER:

ON NAUTICAL CHART 5105, REVISED 2-11-63, THREE WRECKS AND A MARKER ARE SHOWN AT APPROXIMATELY LAT. $32^{\circ} 20'$, LONG. $117^{\circ} 09'$. THIS MANUSCRIPT SHOWS ONE WRECK, LOCATED BY SEXTANT FIX, WHICH MAY BE ONE OF THE THREE WRECKS SHOWN ON THE ABOVE CHART. THE HYDROGRAPHER SHOULD INVESTIGATE THE EXISTANCE OF THESE FEATURES.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10003 / 11882

1. PROJECTION AND GRIDS ✓		2. TITLE ✓		3. MANUSCRIPT NUMBERS ✓		4. MANUSCRIPT SIZE ✓	
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	
8. BENCH MARKS None		9. PLOTTING OF SEXTANT FIXES ✓		10. PHOTOGRAMMETRIC PLOT REPORT ✓		11. DETAIL POINTS None	
ALONGSHORE AREAS (Nautical Chart Data)							
12. SHORELINE ✓		13. LOW-WATER LINE None		14. ROCKS, SHOALS, ETC. None		15. BRIDGES ✓	
16. AIDS TO NAVIGATION ✓		17. LANDMARKS ✓		18. OTHER ALONGSHORE PHYSICAL FEATURES ✓		19. OTHER ALONGSHORE CULTURAL FEATURES ✓	
PHYSICAL FEATURES							
20. WATER FEATURES ✓				21. NATURAL GROUND COVER ✓		22. PLANETABLE CONTOURS Not Applicable	
23. STEREOSCOPIC INSTRUMENT CONTOURS Not Applicable		24. CONTOURS IN GENERAL Not Applicable		25. SPOT ELEVATIONS ✓		26. OTHER PHYSICAL FEATURES ✓	
CULTURAL FEATURES							
27. ROADS ✓		28. BUILDINGS ✓		29. RAILROADS ✓		30. OTHER CULTURAL FEATURES ✓	
BOUNDARIES							
31. BOUNDARY LINES ✓				32. PUBLIC LAND LINES ✓			
MISCELLANEOUS							
33. GEOGRAPHIC NAMES ✓				34. JUNCTIONS ✓		35. LEGIBILITY OF THE MANUSCRIPT ✓	
36. DISCREPANCY OVERLAY ✓		37. DESCRIPTIVE REPORT ✓		38. FIELD INSPECTION PHOTOGRAPHS ✓		39. FORMS ✓	
40. REVIEWER <i>James L. Harris</i>				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							

TO BE CHARTED
~~RECOMMENDED~~
~~RECOMMENDED~~

STRIKE OUT TWO

MONITORING AND/OR LANDMARKS FOR CHARTS

Portland, Oregon 13 Oct. 1964

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

The positions given have been checked after listing by J. I. Harris

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION SURVEY No.	DATE OF LOCATION OR VERIFICATION	HARBOR CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*		DATUM	D.P. METERS						D.P. METERS
				°	'	°	'								
CALIFORNIA	TOWER	ht - 137' (148') (CORONADO TOWER, 1887-1889)		32 40	1513.5	117 10	38.307	N.A. 1927	T-11887	2-13-63	X	X	5105, 5107		
	LOOKOUT TOWER	ht - 68' (77') (CORONADO U.S.N. AMPHIBIOUS BASE LOOKOUT TOWER, 1954)		32 40	24.803	117 09	51.836	"	T-11882	"	X		5101		
	LOOKOUT TOWER	Wooden, tower ht - 39' (46')		32 37	55.11	117 08	25.73	"	PhotoComp T-11882	"	X		5107		
	STACK	Brick (SAN DIEGO U.S. NAVAL STATION STACK, 1963) ht - 90' (97')		32 40	56.753	117 07	31.205	"	T-11882	2-18-63	X		5105, 5107		
	TOWER	Skeleton, steel (SAN DIEGO U.S. NAVAL STATION TOWER, LIGHT, 1963) ht - 150' (161')		32 40	39.038	117 07	38.017	"	"	"	X		"		
ALSO	REVISION 206	Rotating Light (San Diego Light, 1964)		32 37	40.02	117 08	00.35	"	PhotoComp T-11882	3-4-63	X	X	5101		
					1232.7		10.8						5107		

P. A. Stark 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

NONFLOATING AIDS ~~ON OREGON COAST~~ FOR CHARTS

TO BE CHARTED
~~TO BE REVIEWED~~
~~TO BE DELETED~~ STRIKE OUT TWO

Portland, Oregon 14 Oct. 19 64

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

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

P. A. Stark Chief of Party

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY	DATE OF LOCATION SURVEY	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*							DATUM
				°	'	°	'						
CALIFORNIA													
	Glorietta Bay, Range 1 Front Light			32 40	28.83	117 09	56.76	N.A. Photo Comp 1927 T-11882	2-13-63	X		5105, 5107	
	Glorietta Bay, Range 1 Rear Light			32 40	88E.0	117 09	1479.0	"	"	X		"	
	Glorietta Bay, Light 6			32 40	732.5	117 09	58.72	"	2-5-63	X		"	
	Glorietta Bay, Light 8			32 40	48.69	117 09	51.19	"	"	X		"	
	Glorietta Bay, Light 11			32 40	1500.0	117 10	1333.6	"	"	X		"	
	Glorietta Bay, Light 12			32 40	41.65	117 10	00.00	"	"	X		"	
	East Channel, Range 1, Front Light			32 40	1283.0	117 10	0.0	"	"	X		"	
	East Channel, Range 1, Rear Light			32 40	32.95	117 10	02.38	"	"	X		"	
	Naval Amphibious Base Pier Lights (West)			32 40	46.52	117 09	62.0	"	"	X		"	
	Naval Amphibious Base Pier Lights (East)			32 40	1433.0	117 09	11.50	"	"	X		"	
				32 40	48.76	117 09	25.29	"	2-13-63	X		"	
				32 40	1501.5	117 09	659.0	"	"	X		"	
				32 40	45.49	117 09	23.62	"	"	X		"	
				32 40	1401.2	117 09	615.5	"	"	X		"	
				32 40	52.54	117 09	21.09	"	"	X		"	
				32 40	1618.5	117 09	549.5	"	"	X		"	
				32 40	52.48	117 09	20.87	"	"	X		"	
				32 40	1616.5	117 09	543.8	"	"	X		"	

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.

Review Report
Shoreline Maps
T-11878 through T-11883, 11892 and 11893
September 1965

61. General Statement

Area - The project encompasses the California Coast from Dana Point to Mexico.

Purpose - The purpose of this project is to provide shoreline maps for our nautical and aeronautical charting program.

62. Comparison with Registered Topographic Maps

T-5371	1:10,000	1934
T-5372	1:10,000	1934
T-5373	1:10,000	1934
T-5374	1:10,000	1934

Cultural and shoreline changes have been continuous with extensive changes in the urban areas.

63. Comparison with Maps of Other Agencies

San Ysidro	1:24,000	1953
National City	1:24,000	1953
Point Loma	1:24,000	1953

Considering the time interval the maps are in comparatively close agreement.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

5101	1:234,270	April 1965
5105	1:12,000	1962
5107	1:20,000	1964

There are differences in the San Diego harbor area, otherwise they are in comparatively good agreement.

66. Adequacy of Results and Future Surveys

These surveys were prepared according to project instructions, and comply with the National Standards of Map Accuracy.

Reviewed by:

E. C. Lande
E. C. Lande

Approved by:

Charles L. ...
Chief, Photogrammetric Branch

L. J. Woodcock
Chief, Photogrammetry Division

Chief, Nautical Chart Division

