11866



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-11866
LOCALITY
State CALIFORNIA
General locality Dana POINT TO MISSION BAY
Locality San CLEMENTE
1960 - 1962
CHIEF OF PARTY
Fred Natella, Photogrammetric Office
FRED NATELLA, FROTOGRAMMETRIC OFFICE
LIBRARY & ARCHIVES
SEP 221965
DATE

USCOMM+0C 5087

FORM C&GS-181a (12-61)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

		T - 11866	A RECORD	
PROJECT NO. (II):			······································	
21033				
FIELD OFFICE (II):			CHIEF OF PARTY	FRED NATELLA
OCEAN	SIDE, CALIFORNIA			R. B. MELBY
PHOTOGRAMMETRIC OFFICE (III):			OFFICER-IN-CHARGE	
PortLi	and, Oregon			FRED NATELLA
AMENDMENT 1:	20 Dec. 1960 31 Aug. 1961 II, 25 Apr. 1963 III 1 Oct. 1963 III			
NUSCRIPT SCALE (III):	Kelsh Instrument	STEREOSC	OPIC PLOTTING INSTRUME	NT SCALE (III): 1:6000
•	1:10,000	PANTOGR.	APH SCALE:	1:10,00
DATE RECEIVED IN WASHINGTON OFF	ICE (IV):	DATE REP	ORTED TO NAUTICAL CHAI	RT BRANCH (IV):
APPLIED TO CHART NO.		DATE:	DATE	REGISTERED (IV):
GEOGRAPHIC DATUM (III): N.A. 1927			VERTICAL DATUM (III): MEAN SEA LEVEL EXCE Elevations shown as (25) Elevations shown as (5) ro i.e., mean low water or me	refer to mean high water efer to sounding datum
REFERENCE STATION (III):	MEDIO, 1886			
	MEDIO, 1886		X ADJUSTED	
	- 	004"	X ADJUSTED ☐ UNADJUSTED	
AT.:	LONG.:	004"	I <u> </u>	ZONE

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

FIELD INSPECTION BY (II):		DATE: S 1064
	ROBERT B. MELBY	SEPT. 1961 March 1962
MEAN HIGH WATER LOCATI	ON (III) (STATE DATE AND METHOD OF LOCATION):	
	October, 1961 by field inspection. Compilation by Kelsh Instrument.	,
	,	
PROJECTION AND GRIDS RL	JLED BY (IV):	DATE
•	A.R.	4-11-63
PROJECTION AND GRIDS CH	HECKED BY (IV):	DATE
	L.F.B.	4_12_63
CONTROL PLOTTED BY (III	1:	DATE
	D. N. WILLIAMS	4_18_63
CONTROL CHECKED BY (III):	DATE
	R. H. MEYER	4_18_63
RADIAL PLOT OR STEREOS	COPIC CONTROL EXTENSION BY (III):	DATE
	HENRY P. EICHERT	APRIL, 1963
STEREOSCOPIC INSTRUMEN	T COMPILATION (III): PLANIMETRY	DATE
	R. H. Meyer	5_17_63
•	CONTOURS	DATE
	None	4
MANUSCRIPT DELINEATED	BY (III):	DATE
SMOOTH DRAFT:	C. C. HARRIS	6-25-63
SCRIBING BY (III):		DATE
Stick-up:	C. C. HARRIS	11_18_63
PHOTOGRAMMETRIC OFFIC		DATE
Rough DRAFT:	C. C. HARRIS	. 6-7-63
ADVANCE: REMARKS:	J. L. HARRIS	1-3-64

FORM C&GS-181c (12-61)

U.S. DEPARTMENT OF COMMERCE COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS SINGLE LENS "S"

	* PH	OTOGRAPHS (III)		
NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 S 540A THRU 542A	9-2-60	11:05	1:30,000	1.9' ABOVE M.L.L.W.
60 S 409A THRU 412A	п	08:55	1:20,000	3.71 " "
	RATIO PRINTS	OF ABOVE AT 1	1:10,000	
			·	
				COMPUTED FROM PRE-

TIDE (III)

				RATIO OF RANGES	MEAN RANGE	RANGE
REFERENCE STATION:	SAN DIEGO, CALIFO	RNIA			4.2	5.8
SUBORDINATE STATION:	San Clemente, Cat	.IFORNIA			3.7	5.3
SUBORDINATE STATION:						
WASHINGTON OFFICE REVIEW I	9Y (IV): -			DATE:	1	
PROOF EDIT BY (IV):				DATE:		
NUMBER OF TRIANGULATION S	TATIONS SEARCHED FOR (II):	17	RECOVERED:	IDENTIFIE	D: 1	
NUMBER OF BM(S) SEARCHED FOR (II): NONE				IDENTIFIE	D	
NUMBER OF RECOVERABLE PH	OTO STATIONS ESTABLISHED (m): 1				

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

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11866

PROJECT 21033

REFER TO THE FIELD INSPECTION REPORT BY ROBERT B. MELBY FOR T-11864 THRU T-11877 INCLUDED WITH THE DESCRIPTIVE REPORT FOR T-11864.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11866

PROJECT 21033

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT No. | BY HENRY P. EICHERT, APRIL 1963, AND INCLUDED WITH THE DESCRIPTIVE REPORT FOR T-11864.

FORM 164 (4-23-54)

MAP T. 11866

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

DAST AND GEODETIC SURVEY ROL RECORD

SCALE FACTOR

1:10,000

SCALE OF MAP.

21033

PROJECT NO.....

FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS

DISTANCE FROM GAID OR PROJECTION LINE IN METERS

DATUM

OR PROJECTION LINE IN METERS DISTANCE FROM GRID IN FEET.

LONGITUDE OR x-COORDINATE LATITUDE OR y-COORDINATE

DATUM

SOURCE OF INFORMATION (INDEX)

STATION

447,157.60

=

OFFICE

CAMP JOSEPH H.PEN

DLETON BOUNDARY

COMP

LINE WITNESS MONUL

MENT (USN) 1961

1,589,471.31

,589,548.77

447,093.27

S.A. 1927

P-90

5, 1932

AIRWAY NO.

462,755.49 ,589,121.45 445,262,25

Ħ

P-90

CLEMENTE, 1933

463,783.80 1,585,000.28

=

P_94

CHIMNEY, LONE WHITE

HOUSE BACK OF SAN

CLEMENTE, 1933

450,441.48 ,590,202,60

=

P-95

SERVICE STATION,

SOUNTY LINE

CUPOLA, 1933 CUPOLA, RED ROOFED HOUSE EAST OF SAN

1,593,009.87

=

P-95

BEACON NO. 5,1933

,586,243.43

461,194.97

Ħ

P_91

GREEN RIDGE, 1884

MATEO PT., 1933

1,587,329.21

592,905,48 461,343,10

445,196,37

=

P-91

MEDIO, 1886

=

P-94

HOTEL, TOWER 1933

SAN CLEMENTE

584,212,88

1,582,999.51 453,211.04

P_93

SAN MATED ROCK,

4-18-63

DATE

COMPUTED BY. R.H.M.

1 FT.= .3048006 METER

1933

453,777.79

P-94

(BACK)

FORWARD

N.A. 1927 - DATUM

(BACK)

FORWARD

(BACK)

FORWARD

4-18-63

COMM- DC- 57843

DATE. N.N.O CHECKED BY:

FORM 164 (4-23-54)

DESCRIPTIVE REPORT U.S. DEPARTMENT OF COMMERCE

MAP T. 11866 PROJECT NO. 21-33

SCALE OF MAP 1:10,000 COAST AND GEODETIC SURVEY ROL RECORD

SCALE FACTOR

CALITUDE OR #-COORDINATE DISTANCE FROM SRID IN FEET DATUM N. 1827-DATUM DISTANCE FROM SRID IN FEET DATUM OFFICE DATUM OFFICE DATUM OFFICE DATUM OFFICE DATUM OFFICE OFFIC	4-18-63	.4.	.w.	CHECKED BY	4-18-63	•	Σ.	COMPUTED BY. R.H. M.
момето раздолите от тото по телено и телено по телено п								-
Page		-						
P-94 1.598, 234.00 1.1100E OR y. COORDINATE OR PROJECTION LINE IN METERS CORRECTION LINE IN METERS COORDINATE OR PROJECTION LINE IN METERS COORDINATE CONTAINS CORRECTION LINE IN METERS COORDINATE CONTAINS CONT								
Page								
P=94	10							
CATUM CATITUDE OR Y. COORDINATE DISTANCE FROM GRID IN FEET. DATUM								
P_94 P_94 1_595,444.05 P_158,234.00 DATUM LATITUDE OR A-COORDINATE OR PROJECTION LINE IN WETERS CORRECTION A46,849.69 P_94 1_598,234.00 DATUM A46,841.05 P_95 A50,647.32 DFF ICE 1,588,234.00		-						
P=94 P=94 1,585,444.05 DFICE 1,588,234.00 LATITUDE OR y-COORDINATE LONGITUDE OR y-COORDINATE P-94 1,585,444.05 1,588,234.00 DATUM LONGITUDE OR y-COORDINATE FORWARD FORWARD GACK) FORWARD								
P_94 P_94 1,595,444.05 OFFICE 1,588,234.00 LATITUDE OR A. COORDINATE LONGITUDE OR A. COORDINATE FORWARD								-
P=94 P=94 I DATUM LONGITUDE OR x-COORDINATE CORRECTION LINE IN METERS LONGITUDE OR x-COORDINATE CORRECTION FORWARD (BACK) FORWECTION FORWEC								
SOURCE OF POUNTE OR P. COORDINATE DISTANCE FROM GRID IN FEET. FORWARD (BACK) LONGITUDE OR P. COORDINATE OR PROJECTION LINE IN METERS CORRECTION FORWARD (BACK) 1,585,444.05 1,588,234.00 FFICE 1,588,234.00			ļ					·
DATUM LATITUDE OR #-COORDINATE DISTANCE FROM GRID IN FEET. DATUM								
Page Patting				•				- "
P-94 P-94 LATITUDE OR #-COORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR *-COORDINATE GR PROJECTION LINE IN METERS CORRECTION (BACK) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) 1,595,444.05 1,588,234.00 FFICE 1,588,234.00								•
FORWARD (INDEX) P.94 LATITUDE OR x-COORDINATE (INDEX) P.94 1,595,444.05 DEFICE 1,588,234.00 DATUM LONGITUDE OR x-COORDINATE FORWARD FORWARD FORWARD FORWARD FORWARD FORWARD (BACK) FORWARD FORMACFION FORWARD FORWECTION FORWARD FORWARD								
Page	-						÷	
SOURCE OF TOTAL LATITUDE OR y-COORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR x-COORDINATE OR PROJECTION LINE IN METERS CORRECTION AND CARROLL CORRECTION (BACK) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) 1,595,444.05 FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK)								
FORWARD PATUM LATITUDE OR y-COORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR x-COORDINATE FORWARD (BACK) P-94 1,595,444.05 OFFICE 1,588,234.00								
SOURCE OF (INDEX) DATUM LATITUDE OR y-COORDINATE LONGITUDE OR x-COORDINATE DISTANCE FROM GRID IN FEET DATUM (INDEX) LONGITUDE OR x-COORDINATE FORWARD OR PROJECTION LINE IN METERS CORRECTION P-94 1,595,444.05 FORWARD (BACK) 1,595,444.05 450,647.32 A50,647.32 DISTANCE FROM GRID IN FEET DATUM P-94 1,588,234.00								
SOURCE OF TOTAL LATITUDE OR y-COORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR x-COORDINATE OR PROJECTION LINE IN METERS CORRECTION GINDEX) FORWARD (BACK) FORWARD (BACK) FORWARD (BACK) 446,849.69 FORWARD (BACK) 446,849.69 FORWARD (BACK) FORWARD (BACK) FORWARD (BACK)					1,588,234.00		OFF ICE	COLICIA COLICA
SOURCE OF CORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR x-COORDINATE OR PROJECTION LINE IN METERS CORRECTION (INDEX) FORWARD (BACK) 446,849,69 P_94 1,595,444,05							L.A. Dist.	. 1981
SOURCE OF LATITUDE OR V-COORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR x-COORDINATE OR PROJECTION LINE IN METERS CORRECTION FORWARD (BACK)					1,595,444.05		46°-	R.R. DEPOT. 1933
SOURCE OF DATUM LATITUDE OR V-COORDINATE DISTANCE FROM GRID IN FEET. DATUM LONGITUDE OR X-COORDINATE OR PROJECTION LINE IN METERS CORRECTION (INDEX)					446,849,69			WATER TANK, 3/4 MI.
SOURCE OF LATITUDE OR y-COORDINATE DISTANCE FROM GRID IN FEET. DATUM	FORWARD (BACK)	FORWARD (BACK)		FORWARD (BACK)				
	FACTOR DISTANCE FROM GRID OR PROJECTION LINE	N.A. 1927 - DATUM DISTANCE FROM GAID OR PROJECTION LINE	DATUM	DISTANCE FROM GRID IN FEET.	LATITUDE OR y-COORDINATE	DATUM	SOURCE OF	STATION

COMPILATION REPORT

MAP MANUSCRIPT T-11866

PROJECT 21033

ITEMS 31 AND 32:

REFER TO THE COMPILATION REPORT FOR T-11864.

33. SUPPLEMENTAL DATA:

Map of San Clemente State Park.

MAP OF CITY OF SAN CLEMENTE.

TEMS 34 AND 35:

REFER TO THE COMPILATION REPORT FOR T-11864.

36. OFFSHORE DETAILS:

A small group of baring rocks about 700 meters offshore, known as San Mateo Rocks, was identified by the field party and located during compilation.

37. LANDMARKS AND AIDS:

Two Landmarks are shown on this map. Form 567 is submitted.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. Junctions:

SATISFACTORY JUNCTIONS WERE MADE WITH T-11865 TO THE WEST AND WITH T-11867 TO THE BOUTH. THERE ARE NO CONTEMPORARY SURVEYS TO THE NORTH OR 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 San Clemente, 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° 20', 5th Edition, Jan. 6, 1947, Revised 5-18-59.

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

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES ON THIS MANUSCRIPT ARE LISTED BELOW AND WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. SAN CLEMENTE, CALIFORNIA $7\frac{1}{2}$ MINUTE QUADRANGLE, SCALE 1:24,000, EDITION 1948.

GULF OF SANTA CATALINA PACIFIC OCEAN SAN CLEMENTE SAN CLEMENTE STATE PARK SAN MATEO CREEK SAN-MATEO POINT SAN MATEO ROCKS SAN ONOFRE SAN ONOFRE CREEK-SEGUNDA DESHECHA CANADA

Names checked + approved

8-3-65

a. J. Wraight

49. Notes for the Hydrographer:

None.

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C&GS FORM 1002			U.	S. DEPARTMENT OF COMMERCE
, (1)=10==1	PHOT	OGRAMMET	RIC OFFICE REVIEW	
		T-A	11866	
I. PROJECTION AND GRIDS	12 TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	/ .		
CONTROL STATIONS	·1		<u> </u>	
5. HORIZONTAL CONTROL STA	ATIONS OF	S. RECOVERAGE	LE HORIZONTAL STATIONS AN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
✓		(Topographic	etations)	None
8. BENCH MARKS	19. PLOTTING OF	SEXTANT	I 10. PHOTOGRAMMETRIC	11. DETAIL POINTS
None	FIXES		10. PHOTOGRAMMETRIC PLOT REPORT	
rvorje	Non	e		None
ALONGSHORE AREAS (Neutical	Chart Date)		<u> </u>	
12. SHORELINE	13. LOW-WATER	LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
	None			
16. AIDS TO NAVIGATION	17. LANDMARKS		18. OTHER ALONGSHORE	19. OTHER ALONGSHORE
•	,/		18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
None				
PHYSICAL FEATURES	<u></u>	· · · · · · · · · · · · · · · · · · ·		<u> </u>
20. WATER FEATURES	1;	1. NATURAL	GROUND COVER	22. PLANETABLE CONTOURS
				Not Applicable
23 STERROSCORIC	24. CONTOURS I	N CENEDAL	25. SPOT ELEVATIONS	<u> </u>
23. STEREOSCOPIC INSTRUMENT CONTOURS	1			26. OTHER PHYSICAL FEATURES
Not Applicable	Not Appli	caple	None	
CULTURAL FEATURES	<u> </u>		<u></u>	
27. ROADS	28. BUILDINGS		29. RAILROADS	30. OTHER CULTURAL FEATURES
V	نو		-	V
DOUNDA PLEC	<u> </u>		<u> </u>	<u> </u>
BOUNDARIES 31. BOUNDARY LINES	<u> </u>		32. PUBLIC LAND LINES	
			None	
MISCELLANEOUS				
33. GEOGRAPHIC NAMES	;	34. JUNCTION		35. LEGIBILITY OF THE MANUSCRIPT
	İ	•		
36. DISCREPANCY OVERLAY	37. DESCRIPTIVE	REPORT	38. FIELD INSPECTION	39. FORMS
·/			PHOTOGRAPHS	
40. REVIEWER			SUPERVISOR, REVIEW SECTION	N OR UNIT
Carita C. Harri	ў м.			
			1	
41. REMARKS (See attached shee FIELD COMPLETION ADDITION		ONS TO THE M	ANUSCRIPT	
42. Additions and corrections	furnished by the	field complet	ion survey have been applied t	o the manuscript. The manu-
script is now complete exc	cept as noted unde	r item 43.	ISUPERVISOR	
COMITECY			JOHERAISON	
		•		
43. REMARKS			<u> </u>	
			/	

USCOMM-DC 16252-P61

Review Report Shoreline Maps T-11864 through T-11869 July 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 and harbor maps for our nautical and sero-nautical charting programs.

62. Comparison with Registered Topographic Surveys

T-5413 T-5414	1:10,000	1934
T-5414	1:10,000	1934
T-51/15	1:10,000	1934
T-5415 T-5416	1:10,000	1934
#-5417	1:10,000	1934

There are cultural and shoreline differences due to the time interval.

63. Comparison with Maps of Other Agencies

Las Pulgas Canyon	1:24,000	1948
Sen Onofre Bluff	1:24,000	1949
San Clemente	1:24,000	1948
Dana Point	1:24,000	1948

Considering the time interval, the maps are in comparitively close agreement.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

5101 1:234,270

Because of the scale differences not true comparison can be made.

April 1965

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:

Le Lande

Approved by:

Chief, Photogrammetric Branch

Chief, Photograpmetry Division

Chief, Nautical Chart Division

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

Letter all information.
 In "Remarks" column cross out words that do not apply.
 Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
5)01	8/3/67	John P. Wen	Part Bolose After Verification Review Inspection Signed Via
	177	0	Drawing No. Examined, no critical correction
			Full Part Before After Verification Review Inspection Signed Via
	 	ļ	Drawing No.
		 	Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
<u> </u>			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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	 		Full Part Before After Verification Review Inspection Signed Via
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FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975

USCOMM-DC 8558-P53