

11877

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-11877

LOCALITY

State CALIFORNIA

General locality DANA POINT TO MISSION BAY

Locality MISSION BAY

1960-1962

CHIEF OF PARTY

FRED NATELLA

LIBRARY & ARCHIVES

DATE

USCOMM-DC 5087

*See letter from C of E attached to
back of report, in reference to
submerged cable in Mission Bay.
"Do not chart cable."*

22877
11877

FORM C&GS-181a
(12-61)U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEYDESCRIPTIVE REPORT - DATA RECORD
T - 11877

PROJECT NO. (II):			
21033			
FIELD OFFICE (II):		CHIEF OF PARTY	FRED NATELLA
OCEANSIDE, CALIFORNIA		UNIT CHIEF	R. B. MELBY
PHOTOGRAMMETRIC OFFICE (III):		OFFICER-IN-CHARGE	
PORTLAND, OREGON		FRED NATELLA	
INSTRUCTIONS DATED (II) (III):			
20 Dec. 1960			
AMENDMENT I ¹ 31 Aug. 1961 II, III			
AMENDMENT I: 25 Apr. 1963 III			
AMENDMENT II: 1 Oct. 1963 III			
SEE LETTER DATED APRIL 12, 1962, 631/MB			
METHOD OF COMPILATION (III):			
KELSH INSTRUMENT			
MANUSCRIPT SCALE (III):		STEREOSCOPIC PLOTTING INSTRUMENT SCALE (III): 1:6000	
1:10,000		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):		VERTICAL DATUM (III):	
N.A. 1927		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):			
BAY POINT, 1887			
LAT.:	LONG.:	<input checked="" type="checkbox"/> ADJUSTED <input type="checkbox"/> UNADJUSTED	
32° 46' 47.453"	117° 14' 09.365"		
PLANE COORDINATES (IV):		STATE	ZONE
= 224,534.33	x = 1,696,957.29	CALIFORNIA	VI
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: SEPT. 1961 - MARCH 1962
MEAN HIGH WATER LOCATION (III) (STATE DATE AND METHOD OF LOCATION): FEBRUARY 1962 BY FIELD INSPECTION. COMPILATION BY KELSH INSTRUMENT.		
PROJECTION AND GRIDS RULED BY (IV): A.R.		DATE 5-2-63
PROJECTION AND GRIDS CHECKED BY (IV): L.F.B.		DATE 5-3-63
CONTROL PLOTTED BY (III): D. N. WILLIAMS		DATE 5-24-63
CONTROL CHECKED BY (III): R. H. MEYER		DATE 5-24-63
RADIAL PLOT OR STEREOSCOPIC CONTROL EXTENSION BY (III): HENRY P. EICHERT		DATE APRIL 1963
STEREOSCOPIC INSTRUMENT COMPILATION (III):	PLANIMETRY D. N. WILLIAMS	DATE 10-17-63
	CONTOURS	DATE
MANUSCRIPT DELINEATED BY (III): SMOOTH DRAFT: L. L. GRAVES		DATE 12-10-63
SCRIBING BY (III): STICK-UP: C. C. HARRIS		DATE 1-23-64
PHOTOGRAMMETRIC OFFICE REVIEW BY (III): ROUGH DRAFT: J. L. HARRIS ADVANCE: J. L. HARRIS		DATE 11-1-63 1-30-64
REMARKS:		

DESCRIPTIVE REPORT - DATA RECORD

CAMERA (KIND OR SOURCE) (III):

C&GS SINGLE LENS "S"

PHOTOGRAPHS (III)

NUMBER	DATE	TIME	SCALE	STAGE OF TIDE
60 S 471A THRU 475A	9-2-60	09:45	1:20,000	2.9' ABOVE M.L.L.W.
60 S 487A THRU 489A	"	10:00	1:30,000	2.7' " "
60 S 499A THRU 503A	"	10:10	"	2.6' " "
RATIO PRINTS OF ABOVE AT 1:10,000				
COMPUTED FROM PRE- DICTED TIDE TABLES.				

TIDE (III)

	RATIO OF RANGES	MEAN RANGE	DIURNAL RANGE
REFERENCE STATION: SAN DIEGO, CALIFORNIA		4.2	5.8
SUBORDINATE STATION: MISSION BAY ENTRANCE		3.0	4.4
SUBORDINATE STATION:			

WASHINGTON OFFICE REVIEW BY (IV):

DATE:

PROOF EDIT BY (IV):

DATE:

NUMBER OF TRIANGULATION STATIONS SEARCHED FOR (III): 24

RECOVERED: 14

IDENTIFIED: 1

NUMBER OF BM(S) SEARCHED FOR (III): 7

RECOVERED: 6

IDENTIFIED: 2

NUMBER OF RECOVERABLE PHOTO STATIONS ESTABLISHED (III): NONE

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

REMARKS:

FIELD INSPECTION REPORT

MAP MANUSCRIPT T-11877

PROJECT 21033

REFER TO THE FIELD INSPECTION REPORT BY ROBERT B. MELBY FOR
T-11864 THRU T-11877, SEPTEMBER 1961 - MARCH 1962, INCLUDED WITH
THE DESCRIPTIVE REPORT FOR T-11864.

PHOTOGRAMMETRIC PLOT REPORT

MAP MANUSCRIPT T-11877

PROJECT 21033

REFER TO THE PHOTOGRAMMETRIC PLOT REPORT No. 1 BY HENRY P.
EICHERT, APRIL 1963 AND INCLUDED WITH THE DESCRIPTIVE REPORT FOR
T-11864.

MAP T. 11877 PROJECT NO. 21-33 SCALE OF MAP 1:10,000 SCALE FACTOR VI

STATION	SOURCE OF INFORMATION (INDEX)	DATUM	LATITUDE OR ψ -COORDINATE LONGITUDE OR x -COORDINATE	DISTANCE FROM GRID IN FEET. OR PROJECTION LINE IN METERS		N.A. 1927 - DATUM		FACTOR DISTANCE FROM GRID OR PROJECTION LINE IN METERS
				FORWARD (BACK)	(BACK)	FORWARD (BACK)	FORWARD (BACK)	
BAY POINT, 1887	P-24		224,534.33 1,696,957.29					
BAY POINT, ECCENTRIC (CITY OF SAN DIEGO) 1956	P-98		224,505.41 1,697,044.28					
COASTER, 1933	P-23		221,536.14 1,693,339.88					
MISSION BAY NORTH JETTY LIGHT, 1962	CALIF. VOL. XVI P-1466		216,778.36 1,689,703.75					
MISSION BAY SOUTH JETTY LIGHT, 1962	DO		215,891.04 1,690,057.05					
MORENA, 1933	P-24		225,961.33 1,706,149.86					
SAN DIEGO, JUNIPERO SERRA MUSEUM, WHITE TOWER, 1933	P-31		217,084.59 1,710,213.55					
VOR SAN DIEGO SAN, 1962	CALIF. VOL. XVI P-1463		225,339.53 1,700,464.64					
SAN DIEGO, OLD TOWN CATHOLIC CHURCH, 1916	P-109		214,783.63 1,709,544.99					
SAN DIEGO, U.S.N. ELECTRONIC LABORA- TORY, SE LIGHT, 1962	CALIF. VOL. XVI P-1465		221,989.67 1,687,160.17					
SAN DIEGO, U.S.N. ELECTRONIC LABORA- TORY, NW LIGHT, 1962	DO		222,006.52 1,687,140.60					
SAN DIEGO, UNIVER- SITY OF SAN DIEGO, TOWER CROSS, 1962	DO P-1463		221,520.42 1,711,149.25					

COMPILATION REPORT
MAP MANUSCRIPT T-11877
PROJECT 21033

ITEMS 31 AND 32:

REFER TO THE COMPILATION REPORT FOR T-11864.

33. SUPPLEMENTAL DATA:

THE FOLLOWING ARE NUMBERS OF MAPS, SCALE 1 INCH = 400 FEET, ISSUED BY THE CITY ENGINEERS OFFICE OF THE CITY OF SAN DIEGO.

226-1689; 234--1689

ITEMS 34 AND 35:

REFER TO THE COMPILATION REPORT FOR T-11864.

36. OFFSHORE DETAILS:

THE U.S.N. ELECTRONIC LABORATORY TOWER IS LOCATED ABOUT 1 MILE OFFSHORE OF MISSION BEACH AND 1 MILE NORTH OF THE ENTRANCE TO MISSION BAY. THE TWO LIGHTS, MOUNTED ON DIAGONALLY OPPOSITE CORNERS OF THE STRUCTURE, WERE INTERSECTED AND THE POSITIONS OBTAINED WERE PLOTTED.

37. LANDMARKS AND AIDS:

FOUR NON-FLOATING AIDS, ONE AERONAUTICAL AID AND ONE LANDMARK ARE SHOWN ON THE MANUSCRIPT. FORMS 567 ARE SUBMITTED AND INCLUDED WITH THIS REPORT.

38. CONTROL FOR FUTURE SURVEYS:

NONE.

39. JUNCTIONS:

SATISFACTORY JUNCTION WAS MADE WITH T-11876 TO THE NORTH. THE PACIFIC OCEAN IS ON THE WEST. THERE ARE NO CONTEMPORARY SURVEYS ON THE EAST OR SOUTH.

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

LETTER DATED APRIL 12, 1962, 631/MB REQUESTED DATA ON CLEARANCES FOR INGRAHAM STREET, SOUTH BRIDGE OVER MISSION BAY. FOR THIS BRIDGE THE HORIZONTAL CLEARANCE IS 50.5 FEET AND THE VERTICAL CLEARANCE IS 24.7 FEET ABOVE M.H.W.

46. COMPARISON WITH EXISTING MAPS:

COMPARISON WAS MADE WITH THE U.S.G.S. LA JOLLA, CALIFORNIA QUADRANGLE, SCALE 1:24,000, EDITION 1953.

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, AND WITH NAUTICAL CHART 5107, SCALE 1:20,000 AT LAT, 32° 40', 23RD EDITION NOV. 12, 1962.


ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

EXTENSIVE RECENT DEVELOPEMENT IN THE MISSION BAY AREA HAS RESULTED IN CONSIDERABLE CHANGE IN THE SHORELINE AND IN THE ADOPTION OF NEW GEOGRAPHIC NAMES OF PHYSICAL FEATURES.

ITEMS TO BE CARRIED FORWARD:

NONE.

APPROVED:


FRED NATELLA, CAPT, C&GS
PORTLAND DISTRICT OFFICER

RESPECTFULLY SUBMITTED:


JAMES L. HARRIS
CARTOGRAPHER

48. GEOGRAPHIC NAME LIST:

THE GEOGRAPHIC NAMES ON THIS MAP ARE LISTED BELOW AND WERE FURNISHED BY THE WASHINGTON OFFICE ON A FINAL NAME SHEET, A COPY OF THE U.S.G.S. LA JOLLA, CALIFORNIA, QUADRANGLE, SCALE 1:24,000, EDITION 1953 AND THE MISSION BAY PORTION, SCALE 1:20,000, OF NAUTICAL CHART No. 5107.

BAHIA POINT	NORTH COVE
BONITA COVE	OCEAN BEACH
CITY OF SAN DIEGO	PACIFIC OCEAN
CROWN POINT	PACIFIC BEACH
CROWN POINT SHORES	PACIFIC PASSAGE
DANA BASIN	PEREZ COVE
DE ANZA COVE	PLAYA PACIFICA
DE ANZA POINT	POINT MEDANOS
EL CARMEL POINT	QUIVERA BASIN
ENCHANTED COVE	QUIVIRA POINT
ENCHANTED ISLE	RIVIERA SHORES
FALSE POINT	ROSE INLET
FIESTA BAY	SAIL BAY
FIESTA ISLAND	SAN DIEGO RIVER
FIESTA SHORES	SANTA BARBARA COVE
FISHERMANS CHANNEL	SANTA CLARA POINT
HIDDEN ANCHORAGE	SKI ISLANDS
HOSPITALITY POINT	SOUTH COVE
MARINA PASSAGE	STONY POINT
MARINA SHORES	TECOLOTE CREEK
MARINERS BASIN	VACATION ISLE
MARINERS POINT	VENTURA COVE
MISSION BAY	VENTURA POINT
MISSION BEACH	
MISSION POINT	SUNSET POINT

*Names checked
and approved*

8-3-65

A. J. Wright

49. NOTES FOR THE HYDROGRAPHER:

NONE.

PHOTOGRAMMETRIC OFFICE REVIEW

T-10215 11877

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) None		7. PHOTO HYDRO STATIONS None
8. BENCH MARKS ✓	9. PLOTTING OF SEXTANT FIXES None	10. PHOTOGRAMMETRIC PLOT REPORT ✓	11. DETAIL POINTS None
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ✓	13. LOW-WATER LINE None	14. ROCKS, SHOALS, ETC. ✓	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 None	26. OTHER PHYSICAL FEATURES ✓
CULTURAL FEATURES			
27. ROADS ✓	28. BUILDINGS ✓	29. RAILROADS ✓	30. OTHER CULTURAL FEATURES ✓
BOUNDARIES			
31. BOUNDARY LINES ✓		32. PUBLIC LAND LINES None	
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			

Review Report
Shoreline Maps
T-11870 through T-11877
August 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 aero-nautical charting program.

62. Comparison with Registered Topographic Surveys

T-5374	1:10,000	1934
T-5375	1:10,000	1934
T-5410	1:10,000	1934
T-5411	1:10,000	1934
T-5412	1:10,000	1934
T-5413	1:10,000	1934

There are cultural and shoreline differences due, in the most part, to the time interval.

63. Comparison with Maps of Other Agencies

Oceanside	1:24,000	1947
San Luis Rey	1:24,000	1948
Encinitas	1:24,000	1948
Del Mar	1:24,000	1953
La Jolla	1:24,000	1953

Due to new construction there are cultural and shoreline differences.

64. Comparison with Contemporary Hydrographic Surveys

None

65. Comparison with Nautical Charts

5101	1:234,270	1965
5107	1:20,000	1964

See item 47

66. Adequacy of Results and Future Surveys

These maps were prepared according to project instructions and are of standard map accuracy.

Reviewed by:

L. C. Lande
L. C. Lande

Approved by:

Charles L. ...
Chief, Photogrammetric Branch

L. J. Woodward
Chief, Photogrammetry Division

Chief, Nautical Chart Division

NONFLUORESCENT LANDMARKS FOR CHARTS

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

STRIKE OUT TWO

Portland, Oregon 31 JAN., 19 64

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

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

CHARTING NAME	STATE	CALIFORNIA	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	NADSON CHART	INSON CHART	OFFSHORE CHART	CHARTS AFFECTED	
					LATITUDE*		LONGITUDE*								DATUM
					° ' "	D.M. METERS	° ' "	D.P. METERS							
MAST			SAN DIEGO, MISSION BAY STORM WARNING MAST, 1862		33 45	40.92	117 14	25.00	N.A.	2-20-62			X	5107	

FRED 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

NONFLOATING AIDS ON THE COAST OF OREGON FOR CHARTS

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

STRIKE OUT TWO

PORTLAND, OREGON 31 JAN. 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

STATE	CALIFORNIA	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
				LATITUDE*		LONGITUDE*		DATUM							
				D. M. METERS	° ' "	D. P. METERS	° ' "								
LIGHT		MISSION BAY, NORTH JETTY LIGHT, 1962	L.L.6.6	32 45	30.028	117 15	33.437	N.A.	TRIANG.	2-20-62	X		X	5107	
LIGHT		MISSION BAY, SOUTH JETTY LIGHT, 1962	L.L.6.5	32 45	21.282	117 15	29.200	"	"	"	X		X	5101	
LIGHT		NAVY OCEANOGRAPHIC TOWER LIGHTS (SAN DIEGO, USN ELECTRONIC LABORATORY N.W. LIGHT, 1962)	L.L.6.8	32 46	21.509	117 16	04.046	"	"	"			X	5101	
LIGHT		NAVY OCEANOGRAPHIC TOWER LIGHTS (SAN DIEGO, USN ELECTRONIC LABORATORY S.E. LIGHT, 1962)	L.L.6.8	32 46	21.146	117 16	03.813	"	"	"			X	5101	
					651.4		89.2								

FRED NATELLA Chief of Party

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U.S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

7-11677

**AERONAUTICAL
NON-FLOATING AIDS TO NAVIGATION FOR CHARTS**

TO BE CHARTED
~~IF NOT REVERSED~~
~~OR REVERSED~~

STRIKE OUT TWO

PORTLAND, OREGON 31 JAN. 19 64

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

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

CHARTING NAME	STATE	DESCRIPTION	SIGNAL NAME	POSITION				METHOD OF POSITION LOCATION SURVEY NO.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED	
				LATITUDE*		LONGITUDE*								DATUM
				D. M. METERS	° ' "	D. P. METERS	° ' "							
VORTAC	CALIFORNIA	VOR. SAN DIEGO SAN, 1962		32 46	55.746	117 13	28.376	N.A.	TAIANS	1-24-62			W.A.C. 404	

FRED NAYELLA 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

SPLKO (13 Dec 66) 2nd Ind
SUBJECT: Cable in Mission Bay, California

U.S. Army Engr Dist Los Angeles, Los Angeles, Calif 21 Dec 1966

TO: Division Engr, U.S. Army Engr Div, So Pacific, ATTN: SPDGC-O

1. Reference is made to OCE letter ENGCW-ON dated 13 December 1966 and SPD 1st indorsement SPDGC-O dated 15 December 1966, subject as above.

2. Subject cable is buried five feet below the bay bottom in a designated water ski area and it is considered that there is no need to show the cable on navigation charts.

FOR THE DISTRICT ENGINEER:

1 Incl
n/c

W. J. LEEN
Chief, Construction Division

SPDGC-O (13 Dec 66) 3d Ind

Division Engineer, South Pacific Division

27 December 1966

TO: Chief of Engineers, ATTN: ENGCW-ON

The Division Engineer recommends that the cable not be shown on government charts.

FOR THE DIVISION ENGINEER:

1 Incl
nc

E. L. KNUTSON
Acting Chief, Engineering Division

T-11877

T-11877

*attached to report
1-26-67*

CAF

DESISTA/ng
71010

ENGW-ON

13 December 1966

SUBJECT: Cable in Mission Bay, California

TO: Division Engineer
South Pacific

The U. S. Coast and Geodetic Survey has furnished informally the inclosed copy of a portion of Chart No. 5060. A submerged cable is shown extending from Crown Point into Mission Bay. Report is requested on whether there is a need to show the cable on navigation charts in accordance with ER 1145-2-306.

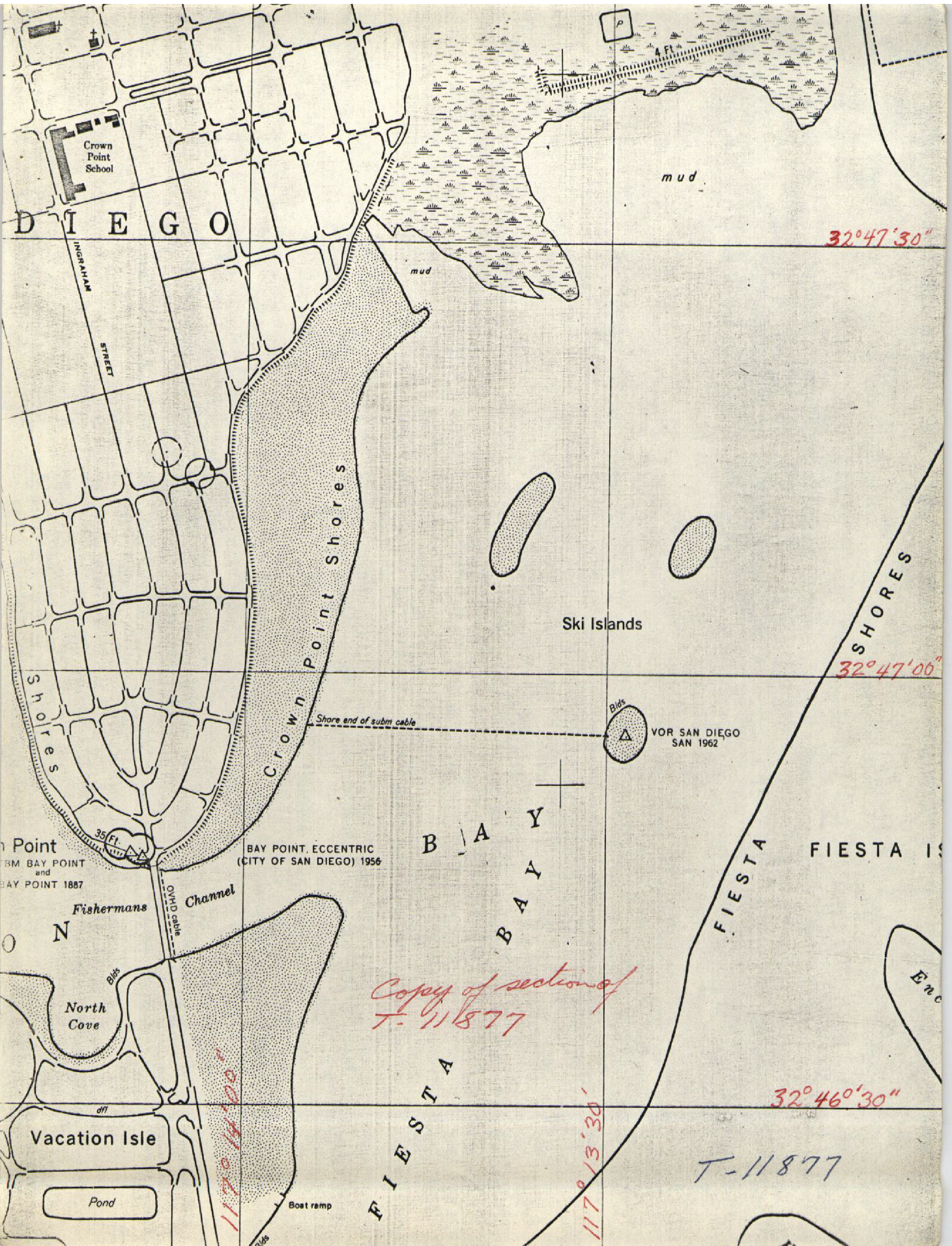
FOR THE CHIEF OF ENGINEERS:

1 Incl (To be returned)
Cy of Chart No. 5060

MARK S. GURNEE
Chief, Operations Division
Civil Works

cc: Mr. Engelbrecht, USC&GS

T-11877



32°47'30"

32°47'00"

32°46'30"

117°14'00"

117°13'30"

Copy of section of
T-11877

T-11877

D I E G O

B A Y

F I E S T A

S H O R E S

F I E S T A

F I E S T A I S

Crown Point School

INGRAM STREET

Crown Point Shores

Ski Islands

VOR SAN DIEGO
SAN 1962

Fishermans Channel

North Cove

Vacation Isle

Pond

Boat ramp

mud

mud

Shore end of subm cable

35 Ft

Offshore cable

off

5/6

