

TP-00395

TP-00395

NOAA FORM 76-35

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

Type of Survey .....SHORELINE.....  
Job No. ....PH-7107..... Map No. ....TP-00395.  
Classification No. Final Edition No. ....1.....

### LOCALITY

State .....California.....  
General Locality ..Dana Point to Point Vicente..  
Locality .....Alamitos Bay.....

1972 TO 1976

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	SURVEY TP. <u>00395</u>  MAP EDITION NO. (1)  MAP CLASS Final  JOB PH. <u>7107</u>
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, VA  OFFICER-IN-CHARGE  Jeffrey G. Carlen, Cdr.		LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED  JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__	
<b>I. INSTRUCTIONS DATED</b>			
1. OFFICE		2. FIELD	
Aerotriangulation      Aug 17, 1978 Compilation              Nov 05, 1971 Compilation, Supp. 1      Oct 09, 1973 Amendment 1              Oct 30, 1973 Amend. 1 to Supp. 1      Jan 28, 1974		Premarking              Mar 1, 1971 Premarking Supplement I      Feb 25, 1972	
<b>II. DATUMS</b>			
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)	
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)	
3. MAP PROJECTION  Polyconic		4. GRID(S) STATE      ZONE California      6	
5. SCALE 1:5,000		STATE      ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytic      LANDMARKS AND AIDS BY		I. D. Raborn	Sep 1973
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat      CHECKED BY		Allen	Sep 1973
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION      CHECKED BY INSTRUMENT: Wild B-8      CONTOURS BY SCALE: 1:7,500      CHECKED BY		G. R. Vanderhaven A. L. Shands NA NA	Dec 1973 Dec 1973  
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: Smooth drafted      CHECKED BY SCALE: 1:5,000      CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY		G. R. Vanderhaven A. L. Shands NA NA G. R. Vanderhaven	Dec 1973 Jan 1974   Dec 1973
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		A. L. Shands	Jan 1974
6. APPLICATION OF FIELD EDIT DATA BY		A. L. Shands	Jul 1976
7. COMPILATION SECTION REVIEW BY		L. O. Neterer, Jr.	Jul 1976
8. FINAL REVIEW BY		A. L. Shands	Sep 1978
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. Shands	Nov 1978
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		A. K. Heywood	Feb 1980
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		E. L. DAUGHERTY	JUN 1980

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72L(C) 3122-3124	3/24/72	09:53	1:15,000	3.8 ft. above MLLW	
72L(C) 3894-2898	3/24/72	14:46	1:15,000	0.8 ft. above MLLW	
*72L(I) 2833-2835	3/24/72	11:42	1:15,000	-0.2 ft. of MLLW	
72L(C) 3022-0323	3/27/72	08:21	1:15,000	4.9 ft.	

REMARKS

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photographs.

## 3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:

The mean lower low water line was compiled using the above listed tide photographs.

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
No Survey	TP-00396	TP-00402	TP-00394

REMARKS

TP-00395

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	Mar 1972
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

None

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00395

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	CDR R. E. Alderman, NOAA	Mar 1976
	RECOVERED BY LTJG Kosinski, ENS Leigh	Mar 1976
2. HORIZONTAL CONTROL	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
	RECOVERED BY None	
3. VERTICAL CONTROL	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
	None	

NOAA FORM 76-36D  
(3-72)

TP-00395

U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Dec 1973	Class III manuscript	8/2/74	8/2/74
Field edit applied. Compilation complete	Jul 1976	Class I manuscript	8/2/76	
Final Review	Sep 1976	Final	Nov 1978	

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		8/5/76	Landmark for charts
1		8/5/76	Aids for charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: August 5, 19763. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
 3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

## IV. SURVEY EDITIONS (This section shall be completed each time a new map edition is registered)

SECOND EDITION	SURVEY NUMBER TP - _____ (2)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY  MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

# SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

## NOTE B

Navigation regulations are published in Chapter 2, Coast Pilot 7, or subsequent yearly supplements and weekly Notices to Mariners. Copies of the regulations may be obtained at the office of the District Engineer, Corps of Engineers in Los Angeles, Calif.  
Anchorage Regulations may be obtained at the office of the Commander, 11th Coast Guard District, San Diego, Calif.  
Tide gauge numbers shown with area designation.

## NOTE C

**SUBMARINE TRANSIT LINES**  
Times of submarine transits will be published in the Ephemis Coast Observer (Luna Beach, California).  
Local Notice to Mariners. 5-25 and Coast Guard notices to submarines subject to change.

## CAUTION

Temporary changes in depths in made by navigation are not listed on this chart. See Notice to Mariners.

LOCAL  
+0.00  
+0.00  
+0.00

San Clement  
area is closed to

33°35'00"

TP-00414  
TP-00413  
TP-00412  
TP-00411  
TP-00410  
TP-00409  
TP-00408  
TP-00407  
TP-00406  
TP-00405  
TP-00404  
TP-00403  
TP-00402  
TP-00401  
TP-00400  
TP-00399  
TP-00398  
TP-00397  
TP-00396  
TP-00395  
TP-00394  
TP-00393  
TP-00392  
TP-00391  
TP-00390  
TP-00389  
TP-00388  
TP-00387  
TP-00386  
TP-00385  
TP-00384  
TP-00383  
TP-00382  
TP-00381  
TP-00380  
TP-00379  
TP-00378  
TP-00377  
TP-00376  
TP-00375  
TP-00374  
TP-00373  
TP-00372  
TP-00371  
TP-00370  
TP-00369  
TP-00368  
TP-00367  
TP-00366  
TP-00365  
TP-00364  
TP-00363  
TP-00362  
TP-00361  
TP-00360  
TP-00359  
TP-00358  
TP-00357  
TP-00356  
TP-00355  
TP-00354  
TP-00353  
TP-00352  
TP-00351  
TP-00350  
TP-00349  
TP-00348  
TP-00347  
TP-00346  
TP-00345  
TP-00344  
TP-00343  
TP-00342  
TP-00341  
TP-00340  
TP-00339  
TP-00338  
TP-00337  
TP-00336  
TP-00335  
TP-00334  
TP-00333  
TP-00332  
TP-00331  
TP-00330  
TP-00329  
TP-00328  
TP-00327  
TP-00326  
TP-00325  
TP-00324  
TP-00323  
TP-00322  
TP-00321  
TP-00320  
TP-00319  
TP-00318  
TP-00317  
TP-00316  
TP-00315  
TP-00314  
TP-00313  
TP-00312  
TP-00311  
TP-00310  
TP-00309  
TP-00308  
TP-00307  
TP-00306  
TP-00305  
TP-00304  
TP-00303  
TP-00302  
TP-00301  
TP-00300  
TP-00299  
TP-00298  
TP-00297  
TP-00296  
TP-00295  
TP-00294  
TP-00293  
TP-00292  
TP-00291  
TP-00290  
TP-00289  
TP-00288  
TP-00287  
TP-00286  
TP-00285  
TP-00284  
TP-00283  
TP-00282  
TP-00281  
TP-00280  
TP-00279  
TP-00278  
TP-00277  
TP-00276  
TP-00275  
TP-00274  
TP-00273  
TP-00272  
TP-00271  
TP-00270  
TP-00269  
TP-00268  
TP-00267  
TP-00266  
TP-00265  
TP-00264  
TP-00263  
TP-00262  
TP-00261  
TP-00260  
TP-00259  
TP-00258  
TP-00257  
TP-00256  
TP-00255  
TP-00254  
TP-00253  
TP-00252  
TP-00251  
TP-00250  
TP-00249  
TP-00248  
TP-00247  
TP-00246  
TP-00245  
TP-00244  
TP-00243  
TP-00242  
TP-00241  
TP-00240  
TP-00239  
TP-00238  
TP-00237  
TP-00236  
TP-00235  
TP-00234  
TP-00233  
TP-00232  
TP-00231  
TP-00230  
TP-00229  
TP-00228  
TP-00227  
TP-00226  
TP-00225  
TP-00224  
TP-00223  
TP-00222  
TP-00221  
TP-00220  
TP-00219  
TP-00218  
TP-00217  
TP-00216  
TP-00215  
TP-00214  
TP-00213  
TP-00212  
TP-00211  
TP-00210  
TP-00209  
TP-00208  
TP-00207  
TP-00206  
TP-00205  
TP-00204  
TP-00203  
TP-00202  
TP-00201  
TP-00200  
TP-00199  
TP-00198  
TP-00197  
TP-00196  
TP-00195  
TP-00194  
TP-00193  
TP-00192  
TP-00191  
TP-00190  
TP-00189  
TP-00188  
TP-00187  
TP-00186  
TP-00185  
TP-00184  
TP-00183  
TP-00182  
TP-00181  
TP-00180  
TP-00179  
TP-00178  
TP-00177  
TP-00176  
TP-00175  
TP-00174  
TP-00173  
TP-00172  
TP-00171  
TP-00170  
TP-00169  
TP-00168  
TP-00167  
TP-00166  
TP-00165  
TP-00164  
TP-00163  
TP-00162  
TP-00161  
TP-00160  
TP-00159  
TP-00158  
TP-00157  
TP-00156  
TP-00155  
TP-00154  
TP-00153  
TP-00152  
TP-00151  
TP-00150  
TP-00149  
TP-00148  
TP-00147  
TP-00146  
TP-00145  
TP-00144  
TP-00143  
TP-00142  
TP-00141  
TP-00140  
TP-00139  
TP-00138  
TP-00137  
TP-00136  
TP-00135  
TP-00134  
TP-00133  
TP-00132  
TP-00131  
TP-00130  
TP-00129  
TP-00128  
TP-00127  
TP-00126  
TP-00125  
TP-00124  
TP-00123  
TP-00122  
TP-00121  
TP-00120  
TP-00119  
TP-00118  
TP-00117  
TP-00116  
TP-00115  
TP-00114  
TP-00113  
TP-00112  
TP-00111  
TP-00110  
TP-00109  
TP-00108  
TP-00107  
TP-00106  
TP-00105  
TP-00104  
TP-00103  
TP-00102  
TP-00101  
TP-00100  
TP-00099  
TP-00098  
TP-00097  
TP-00096  
TP-00095  
TP-00094  
TP-00093  
TP-00092  
TP-00091  
TP-00090  
TP-00089  
TP-00088  
TP-00087  
TP-00086  
TP-00085  
TP-00084  
TP-00083  
TP-00082  
TP-00081  
TP-00080  
TP-00079  
TP-00078  
TP-00077  
TP-00076  
TP-00075  
TP-00074  
TP-00073  
TP-00072  
TP-00071  
TP-00070  
TP-00069  
TP-00068  
TP-00067  
TP-00066  
TP-00065  
TP-00064  
TP-00063  
TP-00062  
TP-00061  
TP-00060  
TP-00059  
TP-00058  
TP-00057  
TP-00056  
TP-00055  
TP-00054  
TP-00053  
TP-00052  
TP-00051  
TP-00050  
TP-00049  
TP-00048  
TP-00047  
TP-00046  
TP-00045  
TP-00044  
TP-00043  
TP-00042  
TP-00041  
TP-00040  
TP-00039  
TP-00038  
TP-00037  
TP-00036  
TP-00035  
TP-00034  
TP-00033  
TP-00032  
TP-00031  
TP-00030  
TP-00029  
TP-00028  
TP-00027  
TP-00026  
TP-00025  
TP-00024  
TP-00023  
TP-00022  
TP-00021  
TP-00020  
TP-00019  
TP-00018  
TP-00017  
TP-00016  
TP-00015  
TP-00014  
TP-00013  
TP-00012  
TP-00011  
TP-00010  
TP-00009  
TP-00008  
TP-00007  
TP-00006  
TP-00005  
TP-00004  
TP-00003  
TP-00002  
TP-00001

JOB PH-7107  
DANA POINT TO POINT VICENTE  
CALIFORNIA  
SHORELINE MAPPING  
SCALE 1:50,000

## SUMMARY TO ACCOMPANY

TP-00392 through TP-00403

Maps included in this summary comprise the northern portion of Project PH-7107. Each of them is 1:5,000 scale with the exception of TP-00392<sup>7</sup> which is 1:10,000 scale. They cover the coast of California from Anaheim Bay to Point Vicente. Each is a standard shoreline map, the purpose of which is to serve as support for contemporary hydrographic operations conducted in the area and to provide up-to-date shoreline for nautical chart construction.

The area is heavily populated with an accompanying high incidence of marine construction. Several major changes have occurred along the shoreline during the life of this survey due to construction.

Field operations prior to delineation consisted of the recovery and identification of horizontal control used for bridging and, also, leveling operations conducted in connection with the tide coordinated infrared photography which was used to delineate the mean lower low water line.

Bridging was done in the Rockville Office by analytic triangulation methods in September, 1973. Ratios were determined and ordered at that time.

Compilation was by Wild B-8 instrument method at the Atlantic Marine Center. Field edit was performed during the spring of 1975 and 1976. Edit data was applied to the maps at the Atlantic Marine Center.

Final Review was performed at the Atlantic Marine Center during the fall of 1978. The original base maps and all pertinent data was forwarded to the Rockville Office for reproduction and final registration.



7

## FIELD INSPECTION

Field work prior to compilation was limited to the recovery and identification of horizontal and vertical control for use in the bridge and coordination of mean lower low water tide elevation. There was no clarification of photographic details.

## PHOTOGRAMMETRIC PLOT REPORT

## Part 2

Dana Point to Point Vicente

California

Job PH-7107

September 1973

21. AREA COVERED

The area covered by this report is along the west coast of California. This area is covered by one 1:10,000 scale sheet TP-00397 and eleven 1:5,000 scale sheets TP-00392 thru TP-00396 and TP-00398 thru TP-00403.

22. METHOD

Two strips of 1:30,000 scale color photography were bridged by analytic aerotriangulation methods. Sketch #1 shows the flight line of the photography and the placement of the control used in this adjustment. The two strips were controlled by field identified control paneled in 1972. Old control, which was office identified, was floated for checks. Ties were made between strips five and six. Strip number five was adjusted using 3 horizontal stations as control with one old station as a check. Strip number six was adjusted using 7 horizontal stations as control with 3 old stations as checks. Compilation points were located between strips #5 and #6 (1:30,000 scale photography) to control the 1:15,000 scale compilation photography, strips 10, 14, 15, 19, 20, and 21. Common points were located between strip 5 and 6 and the hydro support photography (1:15,000), strips 29 and 30, to determine the ratio scale. Sketch #2 shows the flight lines of the compilation and hydro support photography. Common points were located between strip 6 and strips 11 and 12 to determine only the ratio scale.

Difficulty in adjusting the strips occurred in the area of Long Beach Red Band Steel Tank, 1920. Points in this area approached the limits for National Map Accuracy Standards. This is the result of trying to obtain 1:5,000 scale sheets from 1:30,000 scale photography with several models being very weak. (Less than 1/2 model) The lower altitude strips were not bridged because the points for bridging would only be as good as the high altitude bridges. No difficulty is expected in detailing the compilation (1:15,000 scale models) however, if difficulty is encountered in the weak area, there are numerous office identifiable stations which could be used to help set up the models.

One model (Photos 72L2894, 72L2895) was set in the E-8. The four compilation points were held. Two triangulation stations and one substation were used as checks. All three held within 0.1 mm.

Data for ruling projections were furnished to the Coradomat to be plotted on the California zones 6 and 7 coordinate system.

23. ADEQUACY OF CONTROL

The control was adequate.

24. SUPPLEMENTAL DATA

USGS quadrangles were used to provide vertical control for the adjustment.

25. PHOTOGRAPHY

The photography was adequate as to coverage, overlap and definition.

Respectfully submitted,

*Ivey O. Raborn*  
Ivey O. Raborn

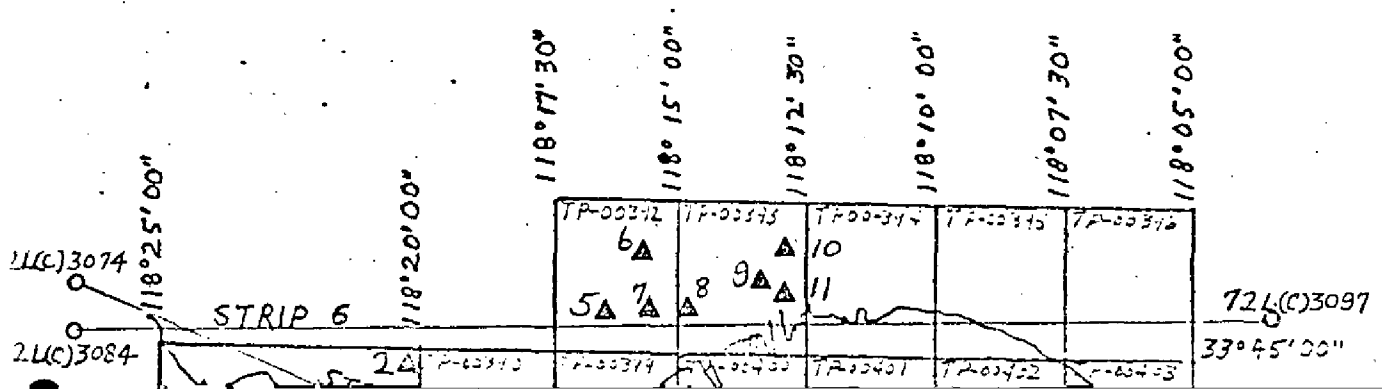
Approved and forwarded:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

## NOTES TO COMPILER

Strip number 13, which covers the breakwater, cannot be controlled or set in stereo instruments. This area must be compiled by field methods.

PHOTOGRAMMETRIC PLOT REPORT  
 Part 2  
 Dana Point to Point Vicente  
 California  
 Job PH-7107  
 August 1973





## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00395	JOB NO. PH-7107	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM NA 1927		GEOGRAPHIC POSITION		REMARKS FORWARD BACK
				COORDINATES IN FEET STATE <u>California</u> ZONE <u>6</u>	$\phi$ LATITUDE $\lambda$ LONGITUDE	ORIGINATING ACTIVITY Division, Norfolk, Va.		
LONG BEACH, 1920		Quad 331181 STA. 1011		X=	$\phi$ 33 45	38.414	1183.5 ( 665.1)	
				Y=	$\lambda$ 118 09	06.343	163.2 (1380.9)	
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
				X=	$\phi$			
				Y=	$\lambda$			
COMPUTED BY	A. C. Rauck, Jr.			COMPUTATION CHECKED BY F. R. Gustafson		DATE	10/17/73	
LISTED BY				LISTING CHECKED BY		DATE		
HAND PLOTTING BY				HAND PLOTTING CHECKED BY		DATE		

## COMPILATION REPORT

TP-00395

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:15,000 scale photography.

Island White and the mean lower low water line were delineated graphically using infrared photography at a scale of 1:15,000.

32. CONTROL:

See the Photogrammetric Plot Report, Part II dated September, 1933.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line and alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

36. OFFSHORE DETAILS:

The offshore drilling platform, Island B, was delineated graphically using tide coordinated infrared photography.

37. LANDMARKS AND AIDS:

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion.

38. CONTROL FOR FUTURE SURVEYS:

None.



39. JUNCTIONS:

See the Form 76-36b, item #5, concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle Long Beach, CA, scale 1:24,000, dated 1964.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart 5148, scale 1:18,000, 17th edition, dated February 24, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Albert C. Rauck, Jr. FOR*  
Gary R. Vanderhaven  
Cartographer  
January 2, 1974

Approved:

*Albert C. Rauck, Jr.*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Section, AMC

June 15, 1978

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH=7107, Dana Point to Point Vicente, California

TP-00395

Alamitos Bay

Belmont Shore

Island White

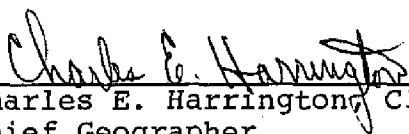
Long Beach (locality)

Marine Stadium

Naples

San Pedro Bay

Approved by:

  
Charles E. Harrington, C3x8  
Chief Geographer

## PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00395

12

1. PROJECTION AND GRIDS ALS	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES NA	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS ALS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ALS	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. ALS	15. BRIDGES ALS
16. AIDS TO NAVIGATION ALS	17. LANDMARKS NA	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES ALS
PHYSICAL FEATURES			
20. WATER FEATURES ALS	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES NA
CULTURAL FEATURES			
27. ROADS ALS	28. BUILDINGS ALS	29. RAILROADS NA	30. OTHER CULTURAL FEATURES NA
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY ALS	37. DESCRIPTIVE REPORT ALS	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS ALS
40. REVIEWER A. L. Shands 1/22/74		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
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 <i>A. L. Shands</i> A. L. Shands 7/2/76		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Reviewer: <i>P. O. Neter</i> 7/76			
See form 76-36C, item 8 of Field Edit Operations.			

# FIELD EDIT REPORT

13a

MAP TP-00395

ALAMITOS BAY

MARCH 1976

Field work on map TP-00395 was completed by LTJG G.P. Kosinski and ENS G.E. Leigh during March, 1976. The eastern portions of the map manuscript, including Alamitos Bay and Marine Stadium, were investigated by the NOAA Ship RAINIER in October, 1974. Revisions to the map manuscript were indicated on the field edit ozalid, which was transmitted to the NOAA Ship FAIRWEATHER for application to boatsheet FA-5-1-76 (H-9592), a survey of Alamitos Bay, conducted during March, 1976. Detached positions were taken by the hydrographer that represent the objects existent at the time of hydrography; these positions appear in the hydrographic records, H-9592. Refer to paragraph four of the introduction to these reports for further details.

## METHOD

For the remainder of this map, a copy of the field edit ozalid was examined in the field. The four navigational lights around Island White were located by theodolite traverse. For details, see Horizontal Control Report, OPR-411-FA-76. Two wooden piling/dolphins, near the basin at Island White, were located by sextant resection. For positions of these items, refer to attached form 76-40 or table of field edit fixes.

## ADEQUACY OF COMPILATION

Compilation of this map is generally good. The shore was regular, sandy beach, except around Island White, where the shore was composed of riprap. Hydrography was conducted in Alamitos Bay and Marine Stadium only.

## RECOMMENDATIONS

It is recommended that the building at approximately 33°45'45"N, 118°09'26"W remain as charted on charts 18746, 18749, and 18751. The building is tall and visible out to sea, but its shape is not distinct; on the smaller scale chart 18746, the item should remain charted as a landmark, with the center of the building indicated. On the larger scale charts 18749 and 18751, the shape of the building is significant; on these charts, the structure should remain a chart feature. This map should be revised in accordance with the notes on the ozalid, and be accepted as an advanced manuscript.

Respectfully submitted:

*Gregory P. Kosinski*

Gregory P. Kosinski, LTJG, NOAA

MAP TP-00395  
TABLE OF FIELD EDIT FIXES

136

<u>Fix Number</u>	<u>Object</u>	<u>Position</u>
77-01 ✓	Dolphin/Pilings ✓	33°45'09.215"N, 118°09'37.313"W ✓
77-02 ✓	Dolphin/Pilings ✓	33°45'10.622"N, 118°09'35.941"W ✓
77-03 ✓	Dolphin/Pilings ✓	Approximately 7 feet off the east end and two feet south of the line formed by the north edge of the Island White pier.

✓LAL



NOAA FORM 76-40  
(8-74)

Replaces C&amp;GS Form 567.

REPORTING UNIT  
Field Party, Ship  
Coastal Marine  
A.M.C. North

REPORTING UNIT  
(Field Party, Ship or Office)  
Coastal Mapping Div.  
A.M.C. Norfolk, Va.

STATE  
California

LOCALITY  
Dana  
Poin

ALITY  
Dana Point to  
Point Vicente

DATE July, 1976

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF MARITIME ADMINISTRATION

## HOW TO USE THE LANDMARKS FOR CHARTS

**ORIGINATING ACTIVITY**

☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REE  
☐ COAST PILOT BRANCH

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

JOB NUMBER

Ph-7107

TP-00395

N.A.1927

**POSITION**

DESCRIPTION  
Record reason for deletion of landmark or aid to navigation.  
Show triangulation station names, where applicable, in parenthesis.

## BUILDING

3345

0000

118 09

50

Mar. 24, 1972

Mar. 1976

1	3	8	8	7	4	5	1
---	---	---	---	---	---	---	---

I. 1b

REVIEW REPORT  
TP-00395

SHORELINE

September 18, 1978

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Final Verified Smooth Sheets H-9674 (FA-5-5-77), H-9592 (FA-5-1-76) and H-9673 (FA-5-4-77).

Two dolphins shown on H-9692 at lat. 33 45.2', lonf. 118 07.8' are not visible on the photography are not shown on the map.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Charts 18749 1:18,000 scale, 21st edition, dated March 26, 1977 and 18751, 1:12,000 scale 24th edition, dated March 18, 1978.

The westerly one of two large buildings located at the shore and of Belmont Pier is shown on the chart as one building. It is shown on the map as two buildings. The photographs support the map delineation.

The pile shown on the chart east of the end of Belmont Pier is not visible on the photography and is not shown on the map.

There is a noticable difference in the configuration of the shoreline at the north end of Marine Stadium and the placement of the shoreline and piers along the north shore of Naples. The photographs support the map delineation.



66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

*A. L. Shands*

A. L. Shands  
Final Reviewer

Approved for forwarding:

*Bill H. Barn*  
*for*  
Chief, Photogrammetric Branch, AMC

Approved:

*[Signature]*  
Chief, Photogrammetric Branch

*[Signature]*  
Chief, Coastal Mapping Division



### RECORD OF APPLICATION TO CHARTS

TP00395

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

## 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.

[illegible]