

TP-00397

TP-00397

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-00397
Classification No. Final Edition No. 1
Field Edited Map

LOCALITY

State ... California
General Locality ... Dana Point to Point Vicente
Locality ... Portuguese Bend

1972 TO 1976

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00397	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. d)	
				<input type="checkbox"/> RESURVEY		MAP CLASS Final	
				<input type="checkbox"/> REVISED		JOB PH. 7107	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va.				LAST PRECEDING MAP EDITION			
OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR				TYPE OF SURVEY		JOB PH. _____	
				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation August 17, 1971				Premarking March 1, 1971			
Compilation Nov 5, 1971				Premarking Supplement I Feb. 25, 1972			
Supplement 1 Oct 9, 1973							
Amendment 1 Oct 30 1973							
Amendment 1 to Supp. 1 Jan 28 1974							
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER				OTHER (Specify)			
<input type="checkbox"/> MEAN LOW-WATER							
<input checked="" type="checkbox"/> MEAN LOWER LOW-WATER							
<input type="checkbox"/> MEAN SEA LEVEL							
3. MAP PROJECTION				4. GRID(S)			
Polyconic				STATE		ZONE	
				California		6	
5. SCALE				STATE		ZONE	
1:10,000							
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY I. D. Raborn						Sep 1973	
METHOD: Analytic LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY Allen						Sep 1973	
METHOD: Coradomat CHECKED BY Allen						Sep 1973	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY Charles Parker						Nov 1973	
COMPILATION CHECKED BY A. L. Shands						Nov 1973	
INSTRUMENT: Wild B-8 CONTOURS BY NA							
SCALE: 1:15,000 CHECKED BY NA							
4. MANUSCRIPT DELINEATION PLANIMETRY BY Charles Parker						Nov 1973	
CHECKED BY A. L. Shands						Nov 1973	
METHOD: Smooth Drafted CONTOURS BY NA							
CHECKED BY NA							
HYDRO SUPPORT DATA BY Charles Parker						Nov 1973	
SCALE: 1:10,000 CHECKED BY A. L. Shands						Nov 1973	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY A. L. Shands						Nov 1973	
6. APPLICATION OF FIELD EDIT DATA BY L. O. Neterer Jr.						Jul 1976	
CHECKED BY A. L. Shands						Jul 1976	
7. COMPILATION SECTION REVIEW BY A. L. Shands						Jul 1976	
8. FINAL REVIEW BY A. L. Shands						Oct. 1978	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY A. L. Shands						Nov 1978	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY E. L. DAUGHERTY 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 checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
NUMBER AND TYPE		DATE	TIME	SCALE	STAGE OF TIDE
72L(C) 3038-3043		3/27/72	08:35	1:15,000	4.8 ft. above MLLW
*72L(I) 2818-2824		3/24/72	11:37	1:75,000	0.2 ft. above MLLW
72L(C) 3077-3078		3/27/72	08:06	1:30,000	4.4 ft. above MLLW
72L(C) 3085-3086		3/27/72	09:36	1:30,000	4.0 ft. above MLLW
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 graphically from office interpretation of the above listed tide controlled infrared photography.

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-00398	No survey	No survey

REMARKS

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 R. B. Melby	Mar 1972
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. I. Riggers	Mar 1972
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<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		2. VERTICAL CONTROL IDENTIFIED	
		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(G) 3087	VERDES, 1963		
72L(G) 3075	VICENTE, 1951		

3. PHOTO NUMBERS (Clarification of details)
None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE

6. 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)
4 Forms 152

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HISTORY OF FIELD OPERATIONS

I. FIELD INSPECTION OPERATION FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	CDR R. E. Alderman	Mar 1976
2. HORIZONTAL CONTROL	RECOVERED BY	LTJG Kosinski, ENS Leight
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
3. VERTICAL CONTROL	RECOVERED BY	None
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY	LTJG Kosinski, ENS Conrad
	LOCATED (Field Methods) BY	LTJG Kosinski, ENS Conrad
	IDENTIFIED BY	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE BY	
	<input type="checkbox"/> SPECIFIC NAMES ONLY BY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	LTJG G. P. Kosinski
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED None	2. VERTICAL CONTROL IDENTIFIED None
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PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)
72L 3043

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: REPORT NONE

6. 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)
Horizontal Control Report, OPR-411-FA-1976; Field Edit Ozalid TP-00397, film ozalid TP-00397
Field Edit Reports, OPR-411-FA-1976
Field records---field edit fix data Electronic Systems Calibration Report, OPR-411-FA-76

TP-00397
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	Nov 1973	Class III manuscript	Aug 2 1974	Aug 2 1974
Field edit applied. Compilation complete.	Jul 1976	Class I manuscript	Aug 2, 1977	
Final Review	Oct 1978	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		Aug 5 1976	Landmark for charts
1		Aug 5 1976	Aids for charts
1		Aug 5 1976	Aids for deletion

2. REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Aug 5, 1976
3. 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 ⁷⁶³⁰ SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Name 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	

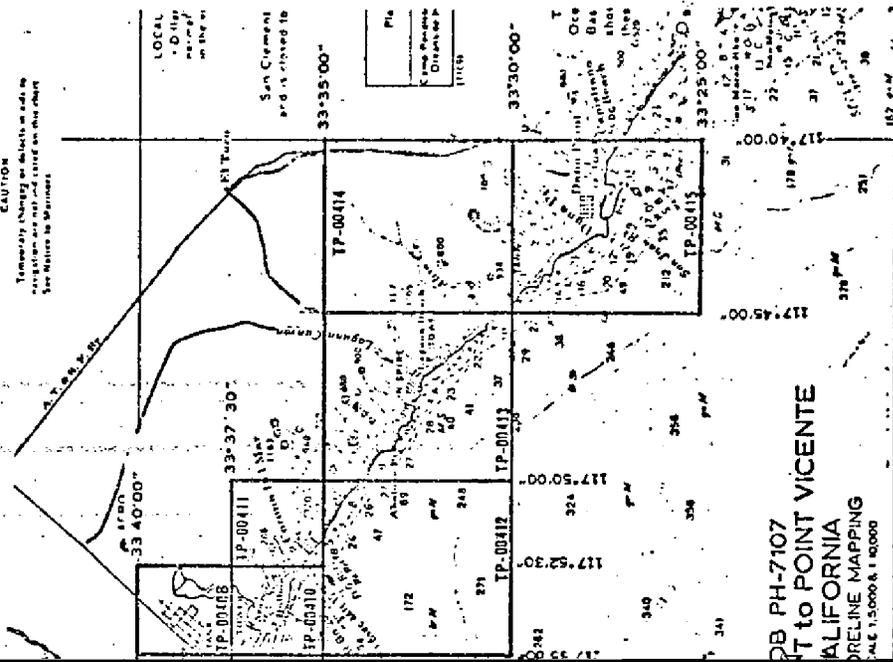
**SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WATER**

NOTE B
Soundings are published in
Pilot 7 or subsequent yearly
updates. Notices to Mariners
Soundings may be obtained at
District Engineer, Corps of
Engineers, San Francisco,
California. Soundings may be obtained at
Commander, 11th Coast Guard
District, San Francisco.

**NOTE C
SUBMARINE TRANSIT LINES**

Times of submarine transits will be published in the
Electronic Coast Guard District Bulletin Board, California.
Local Notices to Mariners. Soundings and Charts are requested
not to be submerged or obstructed across transits in use.

CAUTION
Temporary changes or deletions in soundings
are indicated on this chart.
See Notices to Mariners.



**OB PH-7107
POINT TO POINT VICENTE
CALIFORNIA
HYDROGRAPHIC SURVEY
SCALE 1:50,000 A 1:100,000**

326	328	332	336	340
326	328	332	336	340
326	328	332	336	340
326	328	332	336	340
326	328	332	336	340

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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 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.

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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 B-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

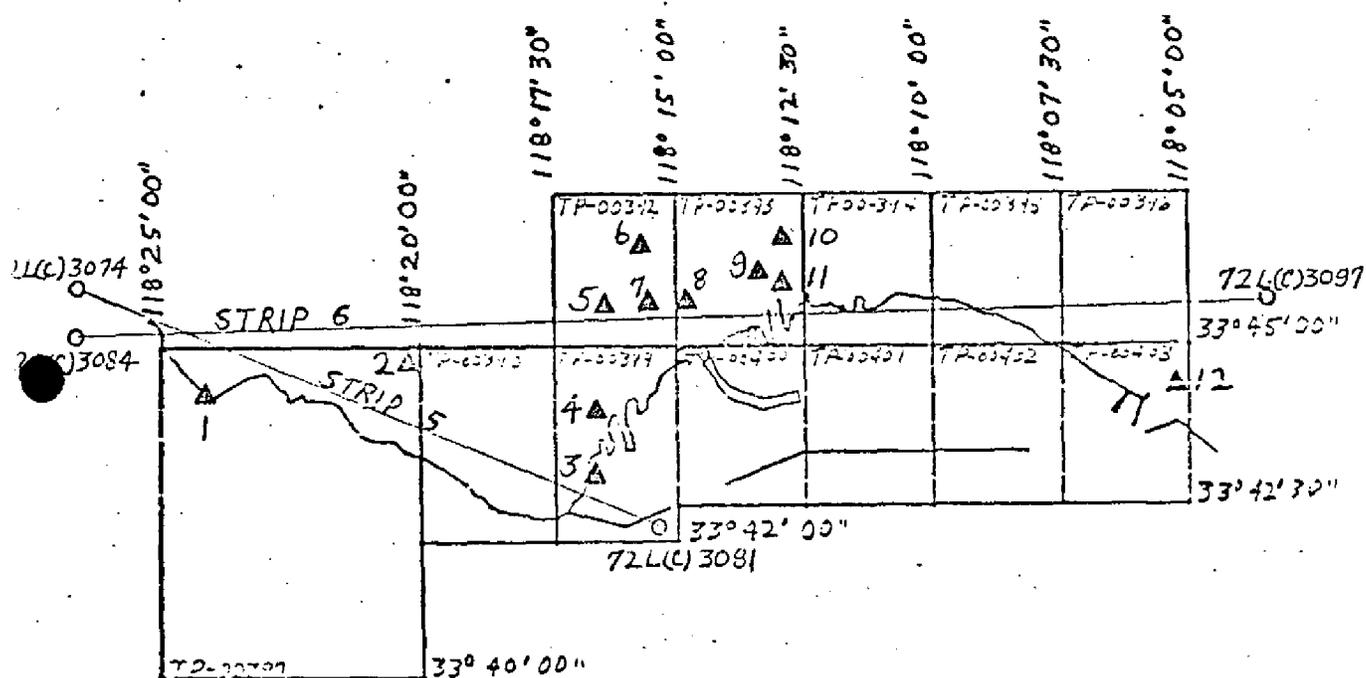
Approved and forwarded:

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

NOTES TO COMPILER

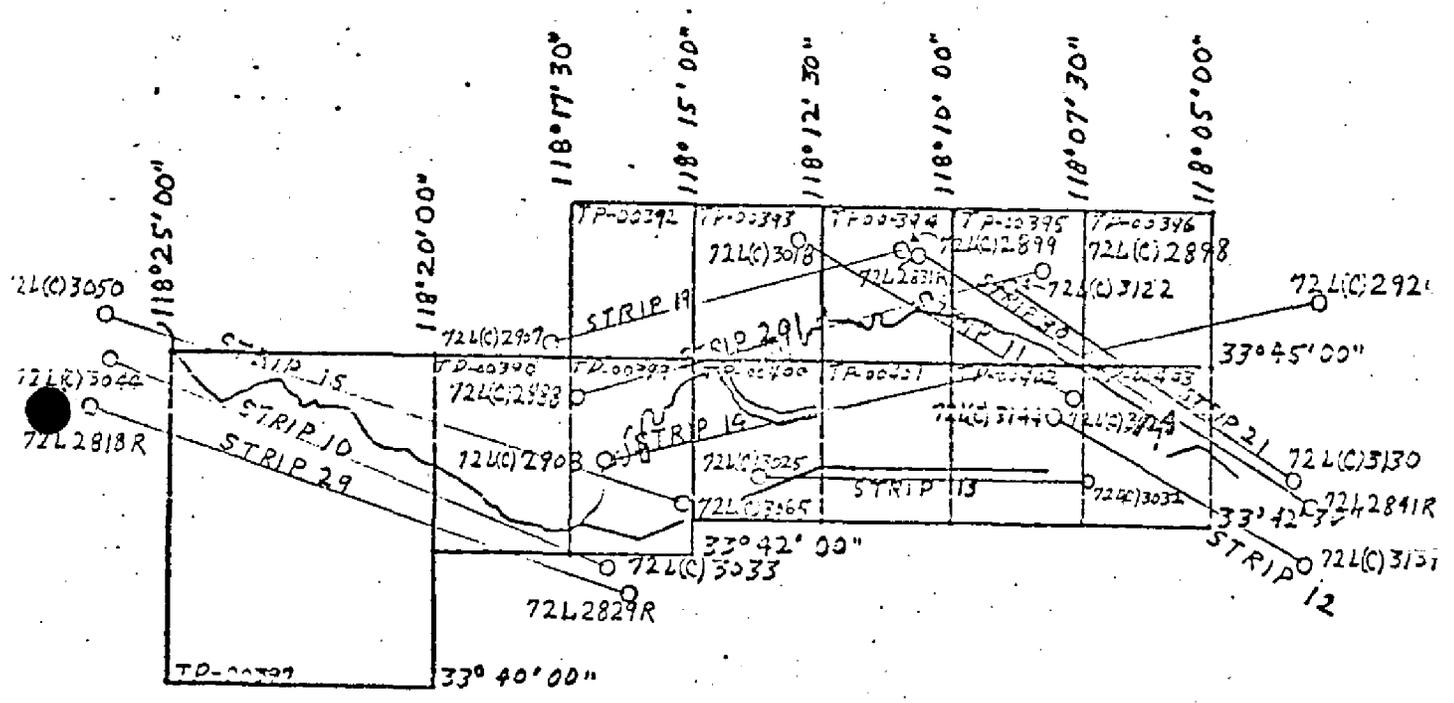
Strip number 13, which covers the breakwater, cannot be controlled or set in stereo instruments. This area must be compiled by field methods.

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



1. Vicente, 1951
2. Verdes, 1963, Sub pt.
3. Old, 1899, Sub pt.
4. San Pedro Cotton Compress Co. Tank, 1933
5. San Pedro Pacific Coast Borax Co. Stack, 1933
6. Wilmington, Smart & Final Co. Warehouse Tank, 1933
7. Medora 1972
8. Wilmington Berth 176-177 Water Tank, 1933
9. Long Beach Red Band Steel Tank, 1920
10. Long Beach Procter & Gamble Water Tank, 1933
11. Long Beach Red Band Steel Tank, 1920, Sub pt.
12. R.M. N 766, 1956, Sub pt.

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



Sketch #2

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00397	JOB NO. PH-7107	GEODETTIC DATUM NA 1927		ORIGINATING ACTIVITY Coastal Mapping Division, Norfolk, Va.		REMARKS FORWARD BACK
		COORDINATES IN FEET STATE California ZONE 6		φ LATITUDE λ LONGITUDE		
POINT VICENTE LIGHTHOUSE, 1926	Quad 33118 STA 3037	x=	φ 33 44	30.690		945.6 (903.0)
		y=	λ 118 24	35.363		910.2 (634.2)
SEA BENCH, 1870	Quad 33118 STA 3028	x=	φ 33 43	31.144		959.5 (889.0)
		y=	λ 118 20	11.312		291.2 (1253.5)
VICENTE, 1951	Quad 33118 STA 3034	x=	φ 33 44	28.652		882.8 (965.8)
		y=	λ 118 24	37.018		952.9 (591.6)
VERDES, 1963	Quad 33118 STA 3051	x=	φ 33 44	49.59472		1528.0 (320.6)
		y=	λ 118 20	06.34718		163.4 (1381.0)
		x=	φ			
		y=	λ			
		x=	φ			
		y=	λ			
		x=	φ			
		y=	λ			
		x=	φ			
		y=	λ			
		x=	φ			
		y=	λ			

COMPUTED BY A. C. Rauck, Jr.	DATE 10/12/73	COMPUTATION CHECKED BY F. R. Gustafson	DATE 10/17/73
LISTED BY	DATE	LISTING CHECKED BY	DATE
HAND PLOTTING BY	DATE	HAND PLOTTING CHECKED BY	DATE

COMPILATION REPORT

TP-00397

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color photography. Points were dropped common to the offshore 1:15,000 scale color (processed for hydro-support) and infrared (used to graphically compile the mean lower low water line and other alongshore and offshore area details).

32. CONTROL:

See the Photogrammetric Plot Report, Part II dated September, 1973.

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 shoreline and all longshore details were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:

Several rocks were delineated from office interpretation of the photographs.

37. LANDMARKS AND AIDS:

Copies of Forms 76-40 were forwarded to the field editor for further processing.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See 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, Redondo Beach, Calif., dated 1963, scale 1:24,000 and San Pedro, Calif., dated 1964, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart #5142, 9th edition, dated April 17, 1971, scale 1:80,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck, Jr. FOR
Charles Parker
Cartographic Aid
November 19, 1973

Approved:

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

June 16, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00397

Abalone Cove

Inspiration Point

Long Point

Pacific Ocean

Point Vicente

Portuguese Bend

Portuguese Bend (locality)

Portuguese Point

San Pedro Bay

Approved by:



Charles E. Harrington, C3x8
Chief Geographer

PHOTOGRAMMETRIC OFFICE REVIEW
TP - 00397

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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 Date)			
12. SHORELINE ALS	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. ALS	15. BRIDGES NA
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
CULTURAL FEATURES			
27. ROADS ALS	28. BUILDINGS ALS	29. RAILROADS NA	30. OTHER CULTURAL FEATURES ALS
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 12/7/73		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>L. J. Neter, Jr.</i> 7/78 <i>Joseph L. Neter, Jr.</i> <i>A. L. Shands</i> <i>A. L. Shands</i>		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr. 7/20/76	
43. REMARKS See Forms 76-36C, item 8 of Field Inspection Operation, and item of Field Edit Operation.			

FIELD EDIT REPORT

MAP TP-00397

PORTUGUESE BEND

MARCH-APRIL 1976

Field edit of map TP-00397 was completed by LTJG G.P. Kosinski, ENS J.D. Conrad, and ENS G.E. Leigh during March and April, 1976. Field inspection of the area was done at various stages of the tide by land vehicle and skiff.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. Several rocks, not appearing on the map manuscript, were found by the field editor, and were located by detached positions taken by a Raydist-equipped hydrographic survey launch. Records of the detached positions do not appear in the hydrography, but are listed below in the Table of Field Edit Fixes. For calibration information, refer to the Electronic Systems Calibration Report, OPR-411-FA-76. The foreshore ranged from small areas of sand and gravel to boulders and ledge. Kelp in many areas was quite thick; its limit is delineated on the film ozalid. The foul limit extends along the entire shoreline and is denoted by breakers and/or rocks. Several landmarks and aids to navigation were verified visually; one measured mile marker was located by theodolite traverse. For details, see Horizontal Control Report, OPR-411-FA-76. There are no U.S. Navy range markers north of Point Vicente; at least two are planned, but none have been constructed as yet. Refer to the attached form 76-40 for positions of landmark items.

ADEQUACY OF COMPILATION

Compilation of this map is generally good, with several areas of ledge that were incorrectly delineated. Cliffs extend along the entire shoreline, but only certain portions are distinctly visible from sea, as noted on the film ozalid.

RECOMMENDATIONS

It is recommended that this map 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-00397 ✓
TABLE OF FIELD EDIT FIXES

<u>Fix Number</u>	<u>Object</u>	<u>Position</u>
75-01 ✓	Rock Submerged 2 ft. ✓ at 2235Z	33°43'35.9200"N ✓ 118°21'08.7609"W ✓
75-02 ✓	Reef Awash, southern ✓ limit at 2240Z	33°43'43.8349"N ✓ 118°21'15.4299"W ✓
75-03 ✓	Reef Awash, northern ✓ limit at 2245Z	33°43'44.8669"N ✓ 118°21'17.2049"W ✓
75-04 ✓	Rock Awash at 2248Z ✓	33°44'10.0626"N ✓ 118°22'11.3326"W ✓
75-05 ✓	Rock Submerged 5 ft. ✓ at 2249Z	33°44'11.424"N ✓ 118°22'13.743"W ✓
75-06 ✓	Rock Submerged 3 ft. ✓ at 2250Z	33°44'13.7793"N ✓ 118°22'18.1496"W ✓
75-07 ✓	Rock Bare 2 ft. at ✓ 2253Z	33°44'14.2986"N ✓ 118°22'34.2830"W ✓
75-08 ✓	Rock Bare 2 ft. at ✓ 2259Z	33°44'19.7290"N ✓ 118°23'16.8286"W ✓
75-09 ✓	Rock Awash at 2307Z ✓	33°44'09.7802"N ✓ 118°24'01.9867"W ✓
75-10 ✓	Rock Awash at 2308Z ✓	33°44'11.5592"N ✓ 118°24'02.9537"W ✓
75-11 ✓	Rock Awash at 2309Z ✓	33°44'12.0642"N ✓ 118°24'03.2957"W ✓
75-12 ✓	Rock Bare 1 ft. at ✓ 2310Z	33°44'15.1888"N ✓ 118°24'07.8065"W ✓
75-13 ✓	Rock Awash at 2311Z ✓	33°44'14.9993"N ✓ 118°24'08.4338"W ✓
75-14 ✓	Rock Awash at 2314Z ✓	33°44'15.3397"N ✓ 118°24'10.4561"W ✓

To charts 7/30/76

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS OR BEARINGS FOR CHARTS										ORIGINATING ACTIVITY									
<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (If held Party, Ship or Office) Coastal Mapping Div. A.M.C. Norfolk, Va.		STATE California		LOCALITY Dana Point to Point Vicente		DATE July, 1976		<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)									
OPR PROJECT NO. 411		JOB NUMBER Ph-7107		SURVEY NUMBER TP-00397		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED									
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		POSITION		OFFICE	FIELD	AFFECTED									
		° / ' "	D.M. Meters	° / ' "	D.P. Meters														
LIGHT	Point Vicente Light (Point Vicente Lighthouse, 1926)	33 44	30.690 945.6	118 24	35.363 910.2			72L(C)3043 Mar. 27, 1972	F-V-Vis. March, 1976	18746									
MARKER	Point Vicente, USN Measured Nautical Mile, South Front Range Marker.	33 44	19.986 615.8	118 23	41.244 1061.7				" "	"									
MARKER	Point Vicente, USN Measured Nautical Mile, South Middle Range Marker	33 44	39.895 1229.2	118 23	24.750 637.1				" "	"									
MARKER	Point Vicente, USN Measured Nautical Mile, South Rear Range Marker	33 44	45.569 1404.0	118 23	20.036 515.7				" "	"									
										146									

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REVIEW REPORT
TP-00397

SHORELINE

October 30, 1978

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No comparison was made.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

No detailed comparison was made.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Final Verified Smooth Sheet H-9591 (FA-10-2-76).

A landmark Radar Dome shown on the Smooth Sheet at lat. 33 44.8, long. 118 20.2 was not recommended for charting by the field editor. It is not shown on the map.

The landmark Radio Tower, north of three, at lat. 33 43.6, long. 118.20.0 is plotted on TP-00398. However, it is in a different position than shown on the smooth sheet. The three towers are visible on the photographs. Their positions were established in the B-8 models and verified visually by the field editor. The field editor stated on the ozalid the "photo position should be used for charting."

65. COMPARISONS WITH NAUTICAL CHARTS:

Comparison was made with Chart 18746, 1:80,000 scale, 17th edition, dated March 19, 1977.

A Radar Dome charted at lat. 33 44.8, long. 118 20.2 and a Radio Tower charted at lat. 33 43.6, long. 118.20.0 are not shown on the map. Neither were recommended for charting by the field editor.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

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

Submitted by:

A. L. Shands

A.L. Shands
Final Reviewer

Approved for forwarding:

Bill H. Bam

for Chief, Photogrammetric Branch, AMC

Approved:

John D. Perraw Jr

Chief, Photogrammetric Branch

AK Herwork FOR
Chief, Coastal Mapping Division

