

TP-00414

TP-00414

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-00414
Classification No. Final Edition No. 1
Field Edited Map

LOCALITY

State California
General Locality Dana Point to Point Vicente
Locality South Laguna

19 71 TO 1974

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Virginia		SURVEY TP. 00414 MAP EDITION NO. 1 MAP CLASS Final JOB PH. 7107	
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__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation August 17, 1971 Compilation November 5, 1971 Supplement 1 October 9, 1973 Amendment 1 October 30, 1973 Amend. 1 to Supp. 1 January 28, 1974		Premarking March 1, 1971 Premarking Supplement I Feb. 25, 1972	
II. DATUMS			
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 California ZONE 6	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: Analytical LANDMARKS AND AIDS BY		D. M. Brant	Nov 1971
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		D. Phillips	Oct 1971
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		L. O. Neterer Jr.	Nov 1971
INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		A. L. Shands	Nov 1971
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		F. P. Margiotta	Dec 1971
METHOD: Smooth Drafted CONTOURS BY CHECKED BY		C. E. Blood	Dec 1971
SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		F. P. Margiotta	Dec 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. Blood	Dec 1971
6. APPLICATION OF FIELD EDIT DATA BY		I. Perkinson	May 1975
7. COMPILATION SECTION REVIEW BY		A. L. Shands	Jun 1975
8. FINAL REVIEW BY		A. L. Shands	Jul 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

TP-00414
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
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C) 1657 & 1658	3/5/71	14:36	1:30,000	1.0 ft. above MLLW	
71L(C) 1501	3/5/71	08:08	1:20,000	0.3 ft. above MLLW	
71L(I) 2201	3/7/71	15:00	1:30,000	±0.2 ft. of MLLW	

REMARKS

There are no photo centers within the limits of this manuscript
(See TP-00413 & TP-00415 for photo numbers)

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The mean lower low water line was compiled from office interpretation
of the above listed tide coordinated 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	No survey	TP-00415	TP-00413

REMARKS

TP-00414
HISTORY OF FIELD OPERATIONS1. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	Feb/Mar '71
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)

None

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

TP-00414

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	CDR C. A. Burroughs	Oct 1974
2. HORIZONTAL CONTROL	RECOVERED BY FAIRWEATHER personnel	Oct 1974
	ESTABLISHED BY FAIRWEATHER personnel	Oct 1974
	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 None	
	LOCATED (Field Methods) BY FAIRWEATHER personnel	Oct 1974
	IDENTIFIED BY	
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 LTJG John Murphy	Oct 1974
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)

71L(C) 1501

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)

Map TP-00414 (Field Edit copy); and Field Edit Report, OPR-411-FA-74,
Map TP-00414

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00414
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	12/2/71	Class III manuscript Superseded	None	12/21/71
Field edit applied Compilation complete	5/6/75	Class I	6/7/76	
Final Review	Jul 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
			None

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
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 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 work. Request 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, 2 Bayview, Calif. Refer to section numbers shown with area designation.

NOTE C

SUBMARINE TRANSIT LINES
Times of submarine transits will be published in the Eleventh Coast Guard District Bulletin, California Local Notice to Mariners. Such and Craft are requested not to follow submerged objects across transit lines in use.

CAUTION

Transits should be observed in the San Clemente and is related to the San Clemente Channel.

LOCAL
Differ
normal
on the
San Clemente

33°35'00"

File	Comp. Period	Change
11181		

33°30'00"

33°25'00"

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

118°05'00"

118°07'30"

118°10'00"

118°12'30"

118°15'00"

118°17'30"

118°20'00"

118°22'30"

118°25'00"

118°27'30"

118°30'00"

118°32'30"

118°35'00"

118°37'30"

118°40'00"

118°42'30"

118°45'00"

118°47'30"

118°50'00"

118°52'30"

118°55'00"

118°57'30"

118°59'00"

119°01'30"

119°04'00"

119°06'30"

119°09'00"

119°11'30"

119°14'00"

119°16'30"

119°19'00"

119°21'30"

119°24'00"

119°26'30"

119°29'00"

119°31'30"

119°34'00"

119°36'30"

119°39'00"

119°41'30"

119°44'00"

119°46'30"

119°49'00"

119°51'30"

119°54'00"

119°56'30"

119°59'00"

120°01'30"

120°04'00"

120°06'30"

120°09'00"

120°11'30"

120°14'00"

120°16'30"

120°19'00"

120°21'30"

120°24'00"

120°26'30"

120°29'00"

120°31'30"

120°34'00"

120°36'30"

120°39'00"

120°41'30"

120°44'00"

120°46'30"

120°49'00"

120°51'30"

120°54'00"

120°56'30"

120°59'00"

121°01'30"

121°04'00"

121°06'30"

121°09'00"

121°11'30"

121°14'00"

121°16'30"

121°19'00"

121°21'30"

121°24'00"

121°26'30"

121°29'00"

121°31'30"

121°34'00"

121°36'30"

121°39'00"

121°41'30"

121°44'00"

121°46'30"

121°49'00"

121°51'30"

121°54'00"

121°56'30"

121°59'00"

122°01'30"

122°04'00"

122°06'30"

122°09'00"

122°11'30"

122°14'00"

122°16'30"

122°19'00"

122°21'30"

122°24'00"

122°26'30"

122°29'00"

122°31'30"

122°34'00"

122°36'30"

122°39'00"

122°41'30"

122°44'00"

122°46'30"

122°49'00"

122°51'30"

122°54'00"

122°56'30"

122°59'00"

123°01'30"

123°04'00"

123°06'30"

123°09'00"

123°11'30"

123°14'00"

123°16'30"

123°19'00"

123°21'30"

123°24'00"

123°26'30"

123°29'00"

123°31'30"

123°34'00"

123°36'30"

123°39'00"

123°41'30"

123°44'00"

123°46'30"

123°49'00"

123°51'30"

123°54'00"

123°56'30"

123°59'00"

124°01'30"

124°04'00"

124°06'30"

124°09'00"

124°11'30"

124°14'00"

124°16'30"

124°19'00"

124°21'30"

124°24'00"

124°26'30"

124°29'00"

124°31'30"

124°34'00"

124°36'30"

124°39'00"

124°41'30"

124°44'00"

124°46'30"

124°49'00"

124°51'30"

124°54'00"

124°56'30"

124°59'00"

125°01'30"

125°04'00"

125°06'30"

125°09'00"

125°11'30"

125°14'00"

125°16'30"

125°19'00"

125°21'30"

125°24'00"

125°26'30"

125°29'00"

125°31'30"

125°34'00"

125°36'30"

125°39'00"

125°41'30"

125°44'00"

125°46'30"

125°49'00"

125°51'30"

125°54'00"

125°56'30"

125°59'00"

126°01'30"

126°04'00"

126°06'30"

126°09'00"

126°11'30"

126°14'00"

126°16'30"

126°19'00"

126°21'30"

126°24'00"

126°26'30"

126°29'00"

126°31'30"

126°34'00"

126°36'30"

126°39'00"

126°41'30"

126°44'00"

126°46'30"

126°49'00"

126°51'30"

126°54'00"

126°56'30"

126°59'00"

127°01'30"

127°04'00"

127°06'30"

127°09'00"

127°11'30"

127°14'00"

127°16'30"

127°19'00"

127°21'30"

127°24'00"

127°26'30"

127°29'00"

127°31'30"

127°34'00"

127°36'30"

127°39'00"

127°41'30"

127°44'00"

127°46'30"

127°49'00"

127°51'30"

127°54'00"

127°56'30"

127°59'00"

128°01'30"

128°04'00"

128°06'30"

128°09'00"

128°11'30"

128°14'00"

128°16'30"

128°19'00"

128°21'30"

128°24'00"

128°26'30"

128°29'00"

128°31'

SUMMARY TO ACCOMPANY

TP-00404 through TP-00415

Maps included in this summary comprise roughly the southern half of Project PH-7107. Maps TP-00406 through TP-00411 are 1:5,000 scale. TP-00404, TP-00405 and TP-00412 through TP-00415 are 1:10,000 scale.

These maps cover the mainland coast of California from Dana Point northward to Huntington Beach. Each map is a standard shoreline map the purpose, of which, is to provide shoreline in support of contemporary hydrographic operations and for nautical chart construction.

The shoreline is composed primarily of sand. Large amounts are deposited from runoff during the winter and spring rains. Much of the sand is then eroded during the dry months. This cycle of erosion and deposition causes the shoreline to meander in and out. As a result, the mean high water line throughout the entire area is constantly changing.

Field operations prior to compilation consisted of the recovery and identification of horizontal control used in the bridge and leveling operations used to establish the mean lower low water datum in connection with the tide coordinated infrared photography.

The job was bridged in two parts. Bridging for this part of the job was done at the Rockville Office in November, 1971. All ratios were determined and photographs were ordered at that time.

All maps were compiled at the Atlantic Marine Center in January and February, 1972. Field edit was accomplished in October, 1974.

Field edit application and Final Review was performed at the Atlantic Marine Center. All pertinent data was forwarded to the Rockville Office for reproduction and final registration.

7

Field Report
Project PH-7107
Dana Point to Point Vicente, California
Shoreline Mapping
February - March 1971

The field work pertaining to this project consisted of premarking horizontal control stations prior to aerial photography and furnishing tidal observations necessary for tide control photography.

Horizontal Control:

The horizontal control requirements consisted of paneling preselected triangulation stations. The panels were the conventional, white, opaque polyethylene plastic, cut to the specifications as required for 1:30,000 scale photography.

Form 152, Control Station Identification cards will be submitted for each station paneled. All of the panels are in open areas and shadows or cliffs should not be a problem. Panel array No. 1 was used exclusively, although in some instances, the length or position of the rays were altered to conform to the existing terrain.

Tide Observations:

At Newport Bay, three existing tidal bench marks were tied by spirit levels to the stop on the portable tide staff, of the operating tide gage. The values agreed favorably with the results as determined by a party from the San Francisco Field Office on 2 February 1971. Staff reading of 3.18 feet equals 0.00 feet mean lower low water.

The staff was read at least one hour prior to, during, and one hour after the anticipated or actual aerial photography. The readings were at five minute intervals to the nearest 0.05 foot. The air photo mission was informed by radio of the tide staff readings, during the overflights. The field level observations are recorded in Form 258, "Leveling Record - Tide Station".

A bubbler tide gage was installed on the Oceanside Pier, Oceanside, California, 3 March 1971 to provide tidal data for the proposed tide-controlled photography, scheduled for October 1971.

Respectfully Submitted,

Robert B. Melby

Robert B. Melby
Chief, PMC Field Party

PHOTOGRAMMETRIC PLOT REPORT

Part 1

Dana Point to Point Vicente

California

Job PH-7107

November 1971

21. Area Covered

The area covered by this report is along the west coast of California. Control was extended for the shoreline compilation of the following maps:

<u>1:5,000 scale</u>	<u>1:10,000 scale</u>
TP-00406	TP-00404
TP-00407	TP-00405
TP-00408	TP-00412
TP-00409	TP-00413
TP-00410	TP-00414
TP-00411	TP-00415

22. Method

Strip #1 (1:30,000 scale photography) was bridged using analytical aerotriangulation methods. Sketch #1 shows the flight line of the photography and the placement of the control used in the adjustment. Compilation points were located between Strip #1 and Strips #2, #3 and #4 (1:15,000 scale photography) to control the 1:5,000 scale compilation. Compilation points were also located between Strip #1 and Strip #5 (1:30,000 scale photography) where coverage from Strip #1 was not sufficient to control the 1:10,000 scale compilation. Sketch #2 shows the flight lines of the photography. Common points were located between Strip #1 and the 1:15,000 scale and 1:20,000 scale photography in order to determine the ratio scale for the hydro support photography. Natural objects such as tanks, stacks, etc. were located for hydro support parties during bridging. All data for ruling projections and plotting points for the compilation office were furnished to the Coradomat to be plotted on the California zone 6 coordinate system.

23. Adequacy of Control

Horizontal control was premarked and was adequate for bridging.

2

24. Supplemental Data

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

25. Photography

The following 1:30,000 scale RC-8 color photography was used in bridging Strip #1:

71-L(C)-1653 thru 1674

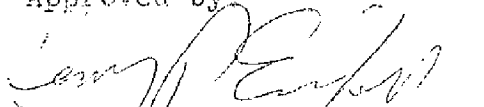
The definition and quality of photography was adequate.

Submitted by:



Donald M. Brant

Approved by:



Henry P. Eichert, Chief
Aerotriangulation Section

STRAIT I

SOUTH NIGERIA

A FORSTER 1887

O7/LG)1653

TP-00105

TP-00109

TP-00110

TP-00111

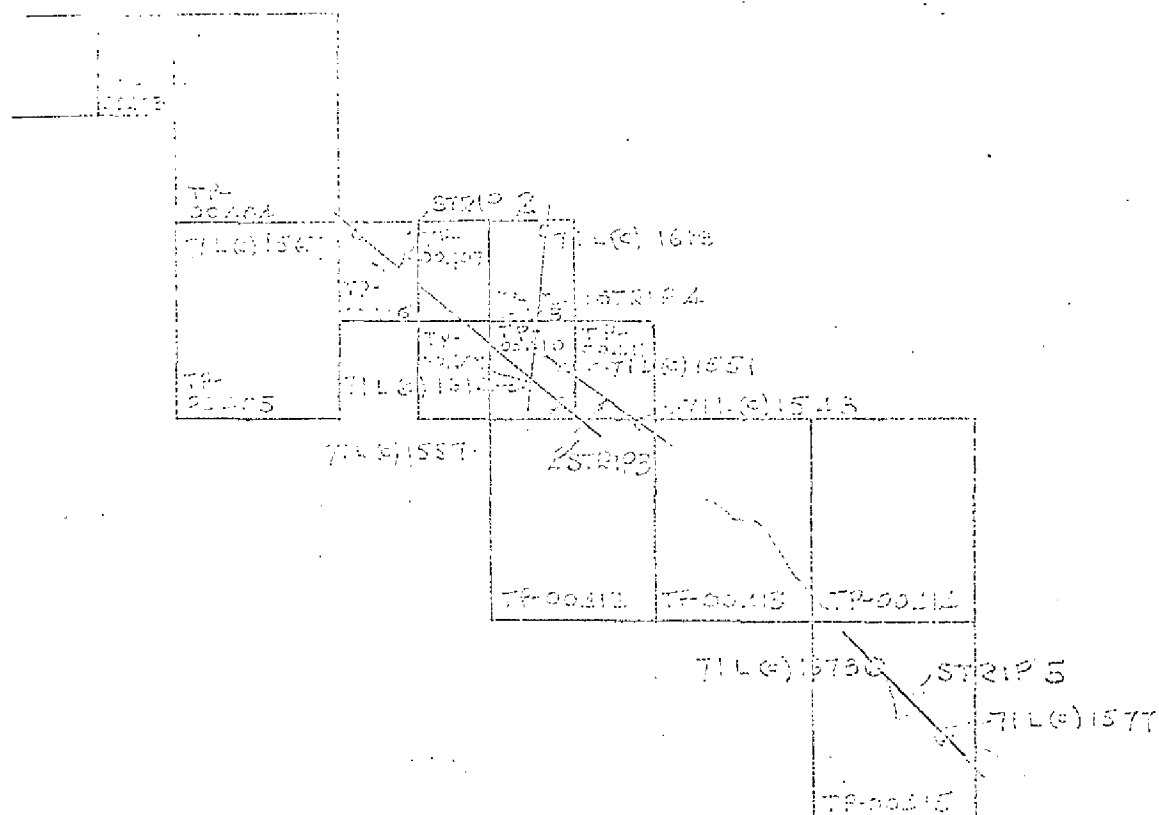
TP-00112

TP-00113

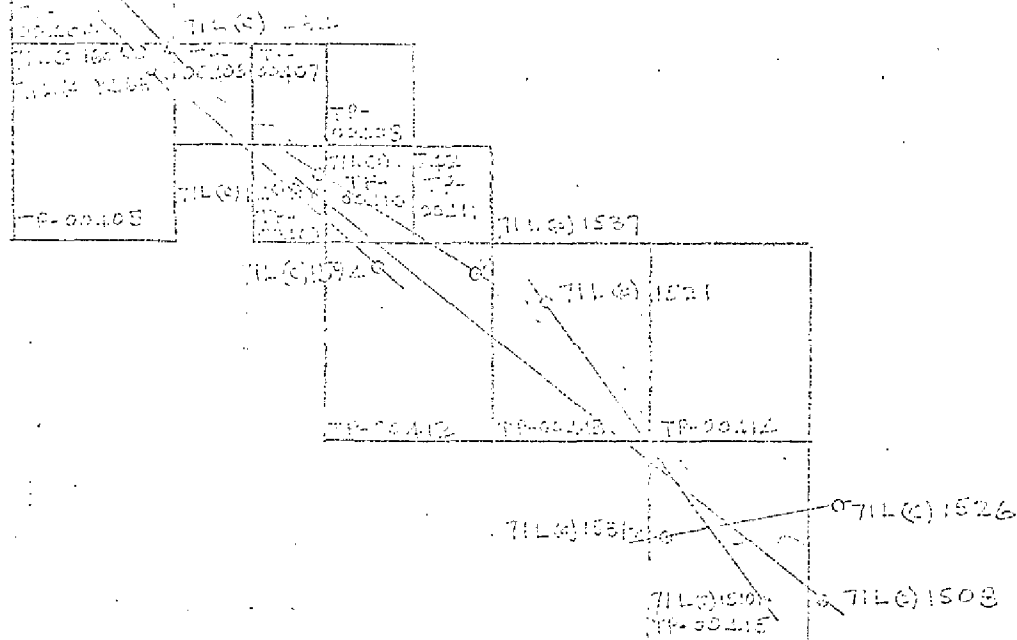
TP-00114

TP-00115

JOB PH - 7107
DANA POINT TO POINT VICENTE
CALIFORNIA
SHORELINE MAPPING
SCALE 1:10,000 & 1:5,000



0 15,000 PHOTOGRAPHY
0 150,000 PHOTOGRAPHY



0 115,000 SCALE HYDRO COPY-OUT PHOTOGRAPHY
 0 115,000 SCALE HYDRO COPY-OUT PHOTOGRAPHY

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	PH-7107	GEODETTIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	
				TP-00414	NA 1927	STATE	ZONE	California	6	ϕ	λ
				SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER						
	NIGUEL, 1884			331174 1086			X=	ϕ	33 30	44.819	REMARKS FORWARD BACK 1380.8 (467.7)
							Y=	λ	117 43	59.813	1543.7 (04.8)
	ALISO PEAK, 1884			331174 1005			X=	ϕ	33 30	33.131	1020.7 (827.8)
							Y=	λ	117 44	36.509	942.3 (606.2)
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
							X=	ϕ			
							Y=	λ			
COMPUTED BY	F. R. Margiotta				DATE	12/1/71	COMPUTATION CHECKED BY	R. J. Pate			DATE 12/1/71
LISTED BY					DATE		LISTING CHECKED BY				DATE
HAND PLOTTING BY					DATE		HAND PLOTTING CHECKED BY				DATE

COMPILATION REPORT

TP-00414

31. DELINEATION:

The Wild B-8 was used.

32. CONTROL:

See "Photogrammetric Plot Report, Part I," dated November, 1971.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line mean ^{lower} low water line and all alongshore details were delineated from office interpretation of the photographs. The approximate ^{lower} low water line was delineated from office interpretation of the infrared photography.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See form 76-36b, item #5 FINAL JUNCTIONS.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle, San Juan Capistrano, California, scale 1:24,000, dated 1968.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 5142, scale 1:80,000, 9th edition, dated April 17, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

F. P. Margiotta

F. P. Margiotta
Cartographic Tech.
December 2, 1971

Approved:

Albert C. Rauck, Jr.

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

June 16, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

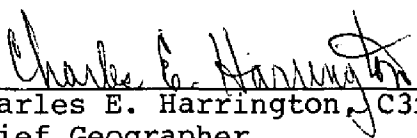
PH-7107, Dana Point to Point Vicente, California

TP-00414

Pacific Ocean

South Laguna

Approved by:


Charles E. Harrington, J C3x8
Chief Geographer

PHOTOGRAMMETRIC OFFICE REVIEW

TP -00414

1. PROJECTION AND GRIDS CEB	2. TITLE CEB	3. MANUSCRIPT NUMBERS CEB	4. MANUSCRIPT SIZE CEB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CEB	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 CEB	11. DETAIL POINTS CEB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CEB	13. LOW-WATER LINE CEB	14. ROCKS, SHOALS, ETC. CEB	15. BRIDGES CEB
16. AIDS TO NAVIGATION CEB	17. LANDMARKS CEB	18. OTHER ALONGSHORE PHYSICAL FEATURES CEB	19. OTHER ALONGSHORE CULTURAL FEATURES CEB
PHYSICAL FEATURES			
20. WATER FEATURES CEB	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 CEB	28. BUILDINGS CEB	29. RAILROADS CEB	30. OTHER CULTURAL FEATURES CEB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES C.EB	34. JUNCTIONS CEB		35. LEGIBILITY OF THE MANUSCRIPT CEB
36. DISCREPANCY OVERLAY CEB	37. DESCRIPTIVE REPORT CEB	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS CEB
40. REVIEWER <i>Charles E. Blood</i> Charles E. Blood		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>Irene Perkinson</i> Irene Perkinson 5/6/75		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
Reviewer: <i>A. L. Shands</i> 6/75 <i>A. L. Shands</i>			
43. REMARKS Field Edit Applied From: See Form 76-36C, item 8 of Field Edit Operations.			

FIELD EDIT REPORT
DANA POINT TO HUNTINGTON BEACH, CALIFORNIA
OPR 411
FALL 1974

INTRODUCTION

Field edit reports are attached for the following maps:

TP-00406	TP-00407	TP-00408	TP-00409	TP-00410
TP-00411	TP-00412	TP-00413	TP-00414	TP-00415

Copies of the field edit ozalids were taken to the field. In some cases only matte ratio prints were available for field use. These are usually very grainy and hard to handle due to paper stiffness and curl. They are far less valuable than the cronapaques or color cronapaques for field use. It is recommended that two copies, one processed and one unprocessed, of color cronapaque photographs be furnished to the ships for future projects. Sextant fixes, where necessary, were plotted on the film ozalids and transferred to the field edit ozalids. Height data for all rocks and shoreline is either written directly on the field edit ozalids, or referenced by fix number to the attached data sheets. Sextant fixes were transferred to boatsheets FA-5-1-74 and FA-5-2-74.

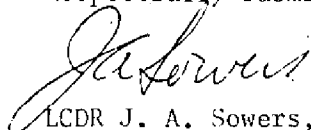
Notes were made in violet on the ozalids, with deletions in green and signal information in orange. All times are based on GMT.

Compilation of the maps is generally very good. Due to the small tide range (approx. 6 ft.), tide state for the aerial photography was relatively unimportant. All discrepancies on the manuscripts are noted. Throughout most of this area the shoreline is composed of regular, sandy beach. There is a bi-annual cycle of sand movement in this area making the establishment of the MHW the field editor's best judgement. During the winter months the sand migrates to seaward causing the MHW to move shoreward. During the spring and summer months sand is re-deposited to cause the MHW to move seaward.

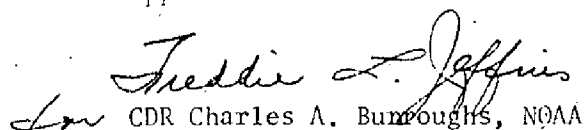
In some areas of manuscript discrepancy or where questions were asked of the field editor, photographs were taken to clarify the point in question. Feedback from personnel using these reports on the value of this practice would be appreciated.

It is recommended that the maps be revised in accordance with the notes on the ozalids and on the attached sheets before acceptance as advanced manuscripts. Field inspection of these maps is complete.

Respectfully submitted:


LCDR J. A. Sowers, NOAA

Approved and forwarded:


for CDR Charles A. Bunnoughs, NOAA
Commanding Officer
NOAA Ship FAIRWEATHER (MSS-20)

FIELD EDIT REPORT

MAP TP-00414

SOUTH LAGUNA, CALIFORNIA

OCTOBER 1974

Field edit of map TP-00414 was accomplished by Ltjg John Murphy during October 1974. Inspection was done from shore and in a skiff when surf conditions allowed.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. Due to the excellent quality of the field photographs furnished, all positions are photogrammetric fixes. Positions are numbered on the ozalid and referenced to the photographs by these numbers. Position descriptions are also written on the backs of the photographs. The mean high water line was verified by visual comparison of the shore and the ozalid in the field. Annual sand movement in this area causes rocks and ledges to be exposed for part of the year and be partially covered with sand during the rest of the year. All times are based on GMT.

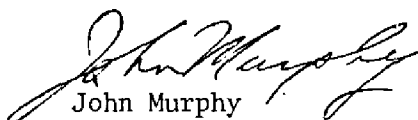
ADEQUACY OF COMPILATION

Compilation of this map is good. Field edit location of details compare well with photogrammetric location.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and the field information and be accepted as an advance manuscript.

Respectfully submitted:


John Murphy
LTJG, NOAA

REVIEW REPORT
TP-00414

SHORELINE

July 12, 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 comparison was made.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Final Verified Smooth Sheet H-9468 (FA-10-2-74). There are no differences in common details.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18746, 1:80,000 scale, 17th edition, dated March 19, 1977. There are no significant differences.

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 by:

Bill H. Barn

for Chief, Photogrammetric Branch, AMC

Approved:

John D. Perraw Jr
Chief, Photogrammetric Branch

A. K. Henry OR *FM*
Chief, Coastal Mapping 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.

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]