

TP-00410

TP-00410

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-00410  
Classification No. Final ..... Edition No. 1  
Field Edited Map

### LOCALITY

State ..... California  
General Locality Dana Point to Point Vicente  
Locality ..... Balboa Beach

1971 TO 1974

### 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	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va.		SURVEY TP. <u>00410</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>7107</u>	
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>			
<b>1. OFFICE</b>		<b>2. FIELD</b>	
Aerotriangulation August 17, 1971 Compilation November 3, 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 February 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 California ZONE 6	
5. SCALE  1:5,000		STATE ZONE	
<b>III. HISTORY OF OFFICE OPERATIONS</b>			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION BY METHOD: <u>Analytical</u> LANDMARKS AND AIDS BY		D. Brant	Nov 1971
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY		D. Phillips D. Phillips	Oct 1971 Oct 1971
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		L. O. Neterer A. L. Shands	Dec 1971 Dec 1971
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:7500</u> CHECKED BY		NA NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		R. J. Pate & L.L.G. C. H. Bishop	Jan 1972 Feb 1972
METHOD: <u>Smooth drafted</u> CONTOURS BY SCALE: <u>1:5,000</u> CHECKED BY		NA NA	
HYDRO SUPPORT DATA BY CHECKED BY		R. J. Pate C. H. Bishop	Dec 1971 Feb 1972
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. H. Bishop	Feb 1972
6. APPLICATION OF FIELD EDIT DATA BY		I. K. Perkinson	Jun 1975
CHECKED BY		F. Margiotta	Jun 1975
7. COMPILATION SECTION REVIEW BY		F. Margiotta	Jul 1975
8. FINAL REVIEW BY		A. L. Shands	Aug 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		F. L. DAUGHERTY	Jun 1980

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

## 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 <input type="checkbox"/> DAYLIGHT
				MERIDIAN 120th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C) 1540 - 1542	3/5/71	10:53	1:15,000	0.1 ft. below MLLW	
71L(C) 1614-1616	3/5/71	13:26	1:15,000	0.2 ft. above MLLW	
71L(C) 1551	3/5/71	11:07	1:15,000	0.1 ft. below MLLW	
*71L(I) 2242 - 2244R	3/7/71	15:32	1:15,000	±0.2 ft. of MLLW	
*71L(I) 2004R	3/6/71	15:09	1:15,000	±0.2 ft. of MLLW	
*71L(I) 2011R	3/6/71	15:18	1:15,000	±0.4 ft. of MLLW	

## REMARKS

REF STA-LOS ANGELES (OUTER HARBOR)  
SUB STA-BALBOA (OCEAN PIER)mean range  
3.8 ft.  
3.7 ft.

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

Office interpretation of color photography taken on March 5, 1971.

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

\*Tide controlled infrared photography of March 6 and 7, 1971, photo centers not mapped.

## 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
TP-00408	TP-00411	TP-00412 (1:10,000)	TP-00409

## REMARKS

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00410  
HISTORY OF FIELD OPERATIONSI. ☒ 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	R. B. Melby None Mar 1971
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)

1-Form 258 Leveling Record, 1-Form 277 Tides.

TP-00410  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	CDR C. A. Burroughs	Sep 1974
2. HORIZONTAL CONTROL	RECOVERED BY FAIRWEATHER personnel	Sep 1974
	ESTABLISHED BY FAIRWEATHER personnel	Sep 1974
	PRE-MARKED OR IDENTIFIED BY None	
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY FAIRWEATHER personnel	Sep 1974
	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 LTJG A. D. Anderson	Sep 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)

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

Drawing No. 2859 "Newport Beach West Jetty Light Steel Tower & Drawing No. 837M  
"Antenna Base Plate and Battery Pack."

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

Map TP-00410 (Field Edit copy); and Field Edit Report, OPR-411-FA-74, Map TP-00410  
Abstract of Fix Geographic Positions. Field edit ozalid.

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

TP-00410

## 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	1/31/72	Class III manuscript	None	2/3/72
Field Edit applied compilation complete	6/30/75	Class I	6/7/76	
Final Review	July, 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		5/24/76	Aids to be charted
1		5/24/76	Landmarks to be charted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: May 24, 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 76-40 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	



## 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.



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:

1:5,000 scale

TP-00406  
TP-00407  
TP-00408  
TP-00409  
TP-00410  
TP-00411

1:10,000 scale

TP-00404  
TP-00405  
TP-00412  
TP-00413  
TP-00414  
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:

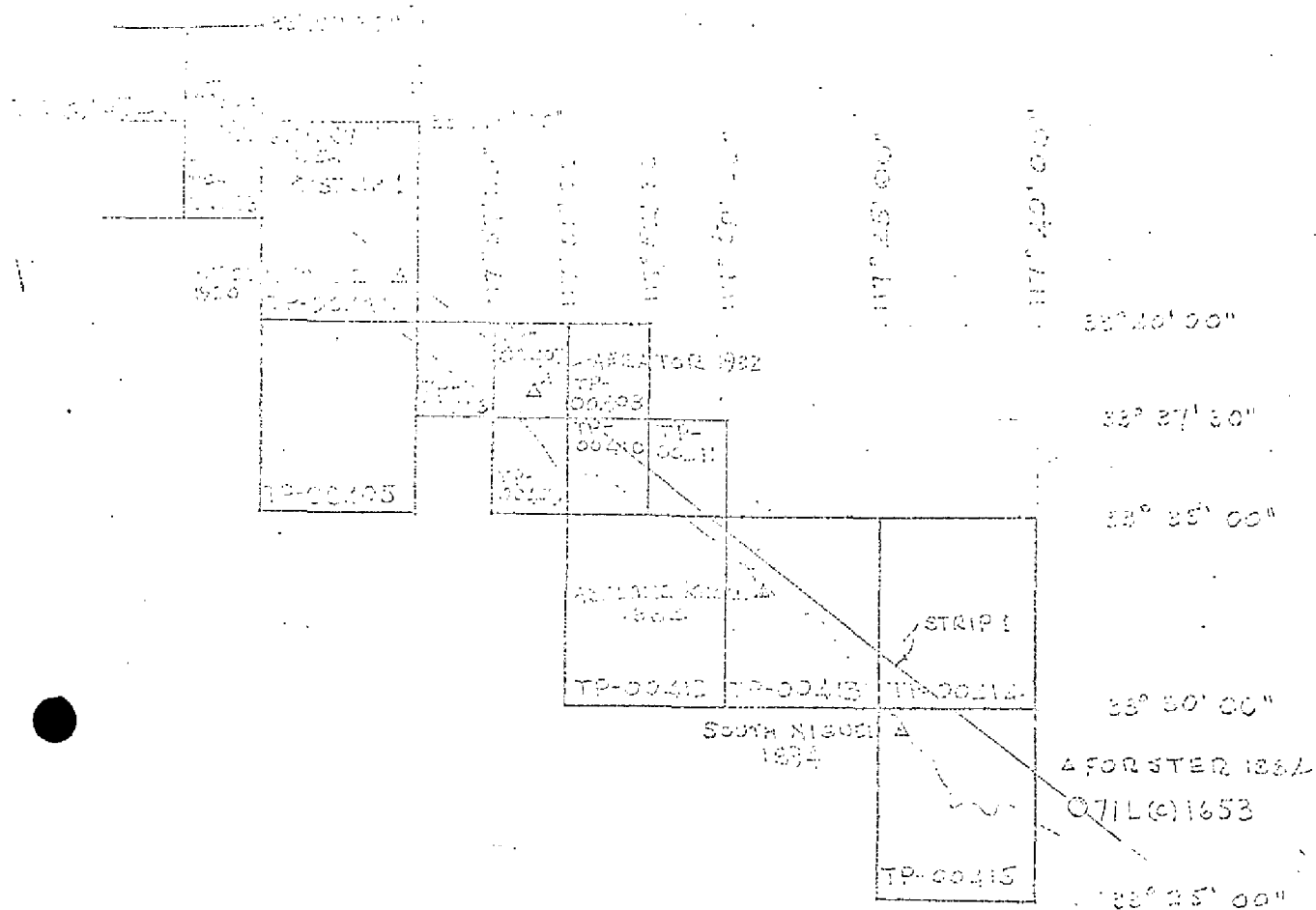


Donald M. Brant

Approved by:

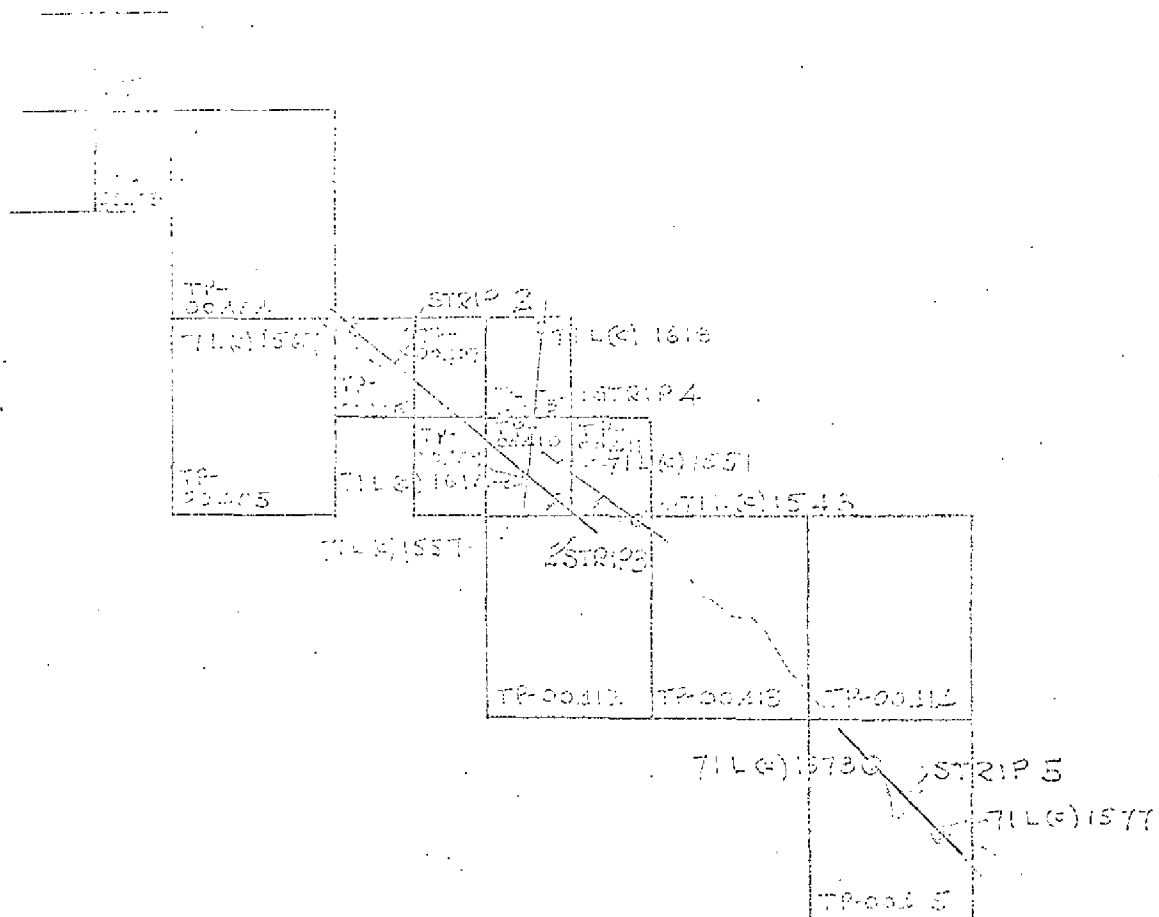


Henry P. Eichert, Chief  
Aerotriangulation Section



△ CONTROL USED IN ADJUSTMENT  
○ 1:50,000 SCALE PHOTOGRAPHY

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



0 1:15,000 PHOTOGRAPHY  
0 1:150,000 PHOTOGRAPHY





## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEODETTIC DATUM			ORIGINATING ACTIVITY		REMARKS
			TP-00410	PH-7107	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE <u>California</u> ZONE <u>6</u>	Geographic Position $\phi$ LATITUDE $\lambda$ LONGITUDE	
	NEWPORT BEACH, BALBOA DISTRICT HOTEL TOWER, 1933	331174 1184				$x=$	$\phi$ 33 36 05.997	FORWARD 184.8 BACK 1663.7
						$y=$	$\lambda$ 117 53 56.884	1466.6 80.4
*	NEWPORT BEACH, BALBOA PAULION FLAGPOLE, 1933	331174 1186				$x=$	$\phi$ 33 36 09.774	301.1 1547.4
						$y=$	$\lambda$ 117 53 52.552	1354.9 192.1
	NEWPORT HARBOR, HIGH SCHOOL TOWER, 1933	331174 1190				$x=$	$\phi$ 33 37 22.108	681.1 1167.4
						$y=$	$\lambda$ 117 54 44.873	1156.6 390.0
*	CUPOLA, 1911	331174 1185				$x=$	$\phi$ 33 36 09.772	301.1 1547.4
						$y=$	$\lambda$ 117 53 52.545	1354.7 192.3
	PROMONTORY, 1875	331174 1099				$x=$	$\phi$ 33 36 48.746	1501.8 346.7
						$y=$	$\lambda$ 117 53 49.630	1279.4 267.4
	ORIGIN (USE), 1960	331174 1100				$x=$	$\phi$ 33 36 47.4604	1462.2 386.3
						$y=$	$\lambda$ 117 53 49.4308	1274.3 272.5
						$x=$	$\phi$	
						$y=$	$\lambda$	
						$x=$	$\phi$	
						$y=$	$\lambda$	
						$x=$	$\phi$	
						$y=$	$\lambda$	
						$x=$	$\phi$	
						$y=$	$\lambda$	
COMPUTED BY A. C. Rauck, Jr.					9/27/71		COMPUTATION CHECKED BY L. L. Graves	DATE 1/26/72
LISTED BY					DATE		LISTING CHECKED BY	DATE
HAND PLOTTING BY					DATE		HAND PLOTTING CHECKED BY	DATE

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.

## COMPILATION REPORT

TP-00410

31. DELINEATION:

The Wild B-8 was used. Photographic coverage was adequate.

32. CONTROL:

See Photogrammetric Plot Report, Part 1, 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 shoreline was delineated from office interpretation of color photography taken at mean lower low water. The foreshore and mean lower low water line was delineated from office interpretation of infrared photography taken at low water.

36. OFFSHORE DETAILS:

None.



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 Form 76-36b, item 5 under Final Junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No comment.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle NEWPORT BEACH, CALIFORNIA, scale 1:24,000, dated 1965.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 5108, scale 1:10,000, 11th edition, dated February 27, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*Albert C. Rauck Jr. FOR*  
L. L. Graves  
Cartographic Tech.  
February 1, 1972

Approved:

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

June 16, 1978

## GEOGRAPHIC NAMES

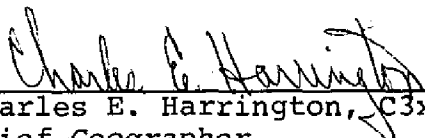
## FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00410

Balboa	Lido Isle
Balboa Beach	Linda Isle
Balboa Island	Newport Bay
Balboa Yacht Basin	Newport Beach
Bay Island	Newport Beach (locality)
Beacon Bay	Newport Heights
Collins Island	Pacific Ocean
Corona del Mar	Promontory Bay
Grand Canal	Upper Newport Bay
Harbor Island	

Approved by:

  
Charles E. Harrington, C3x8  
Chief Geographer

## PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00410

12

1. PROJECTION AND GRIDS CB	2. TITLE CB	3. MANUSCRIPT NUMBERS CB	4. MANUSCRIPT SIZE NA
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CB	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 CB	11. DETAIL POINTS CB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE CB	13. LOW-WATER LINE CB	14. ROCKS, SHOALS, ETC. CB	15. BRIDGES CB
16. AIDS TO NAVIGATION CB	17. LANDMARKS CB	18. OTHER ALONGSHORE PHYSICAL FEATURES CB	19. OTHER ALONGSHORE CULTURAL FEATURES CB
PHYSICAL FEATURES			
20. WATER FEATURES CB	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 CB
CULTURAL FEATURES			
27. ROADS CB	28. BUILDINGS CB	29. RAILROADS CB	30. OTHER CULTURAL FEATURES CB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES CB	34. JUNCTIONS CB		35. LEGIBILITY OF THE MANUSCRIPT CB
36. DISCREPANCY OVERLAY CB	37. DESCRIPTIVE REPORT CB	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS CB
40. REVIEWER Albert C. Rauck, Jr. FOR Charles Bishop 2/2/72		SUPERVISOR, REVIEW SECTION OR UNIT 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. Perkinson F. Margiotto 7/18/75		SUPERVISOR Albert C. Rauck, Jr.	
43. REMARKS See Form 76-36C, Items 7 and 8, Field Edit Operations			

FIELD EDIT REPORT

Map TP-00410  
Newport Bay  
Newport Beach, California  
September, 1974

Field edit of map TP-00410 was accomplished by LTJG Alan Anderson and LTJG Andrew Snella during September 1974. Inspection was done from skiffs and on foot when required.

METHOD

Field photographs and a copy of the field edit ozalid were examined in the field. The mean high water line was verified by visual comparison of the shore and the ozalid in the field. Changes have occurred in sections of small boat moorages since the photographs of the area were taken. The new areas were sketched on the field edit ozalid from visual inspection. Two changes have been made to the shoreline also since the photographs were taken. Both changes have been drawn on the ozalid using plans and sketches obtained from the companies involved. These plans and sketches have been included. Sextant fixes were used for verification and location of rocks, pilings and navigational aids in the area. Height data is written directly on the ozalid, and on the attached sheets. All times are based on Greenwich Mean Time.

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 fix information be accepted as an advance manuscript.

Respectfully submitted,

*Alan D. Anderson*

Alan D. Anderson  
LTJG, NOAA

Approved and forwarded:

*Freddie L. Jeffries*

Freddie L. Jeffries  
CDR, NOAA  
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NEWPORT BAY, EAST & WEST JETTY LIGHTS

In 1935, the East and West Jetty Lights were built identically. Since then, both structures have been removed from their concrete pads, and new structures installed on top of the old pads. Verification that the old light location is in the center of the concrete pad comes from:

Drawing #2859  
OFFICE OF THE SUPT. OF LIGHTHOUSES  
EIGHTEENTH DISTRICT SAN FRANCISCO,  
CALIFORNIA  
Date: 9-30-35  
'Newport Beach West Jetty Light Steel Tower'  
(drawing attached)

The West Jetty Light consists of a radio beacon house built atop the old concrete slab. On top of the house, in opposite corners, are a radio beacon and light structure. The location of the new West Jetty Light is measured from the center of the radio beacon house. The center of the house corresponds to the old location of the light and is confirmed by:

Drawing #837 M  
U.S. COAST GUARD ELEVENTH DISTRICT  
LONG BEACH, CALIFORNIA  
CIVIL ENGINEERING  
'Antenna Base Plate and Battery Pack'  
(drawing attached)

The East Jetty Light is a light atop a steel pole and is measured from the center of the concrete pad.

NOAA FORM 76-40 (8-74)										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
Replaces C&GS Form 567.										NONFLOATING AIDS <del>ON</del> FOR CHARTS									
TO BE CHARTED (If field party, ship or office)		REPORTING UNIT		STATE		LOCALITY		DATE		ORIGINATING ACTIVITY									
<input checked="" type="checkbox"/> TO BE CHARTED	<input type="checkbox"/> TO BE REVISED	<input type="checkbox"/> TO BE DELETED	Coastal Mapping Div.	A.M.C. Norfolk, Va.	California	Dana Point to Point Vicente	June, 1975	<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)											
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.										METHOD AND DATE OF LOCATION (See instructions on reverse side)									
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		POSITION		OFFICE		FIELD		CHARTS AFFECTED					
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE ° / ' " D.M. Meters		LONGITUDE ° / ' " D.P. Meters													
LIGHT	Newport Bay, West Jetty Light 3	33	35	17.83	549	117	52	43.21				F-1-8-L Sept. 1974	18335 18337						
LIGHT	Newport Bay, East Jetty Light 4	33	35	22.62	697	117	52	35.48				"	"						
RADIO BEACON		33	35	17.92	552	117	52	43.24				"	"						
LIGHT	Newport Bay, Channel Light 5	33	35	56.02	1726	117	52	54.45				F-3-8-L Sept. 1974	"	"					
LIGHT	Newport Bay, Channel Light 11	33	36	28.76	886	117	54	12.26				"	"						
LIGHT	Newport Bay, Channel Light 12	33	36	42.33	1304	117	54	25.63				"	"						
LIGHT	Balboa Island, North Channel Light 2	33	36	32.04	987	117	53	59.04				"	"						
LIGHT	Lido Isle East Light 2	33	36	31.42	968	117	54	30.84				"	"						
LIGHT	Newport Bay, Channel Light 10	33	36	13.73	423	117	53	45.69				"	"						
								1178							14a				





REVIEW REPORT  
TP-00410

SHORELINE

July 27, 1978

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report. A list of positions of signals used for sextant fixes by the field editor were not available at the time of final review. Signals are positioned on the Field Edit Ozalid (paper copy). These proved adequate for checking delineation of edit items.

Promontory Bay and a smaller docking facility just east of it were constructed subsequent to the photography. They were delineated from scaled drawings submitted by the field editor. Promontory Bay was traced on the map using the vertical projector by holding common details. The other docking facility was delineated using measurements given on that drawing. It was necessary to revise the positions of each of these features during final review because of misapplication of this data.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC MAPS:

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-9469 (FA-10-3-74), H-9487 (FA-10-4A&B-74-75), H-9470 (FA-5-1-74) and H-9471 (FA-5-2-74).

See paragraph 61. The shoreline of Promontory Bay and the new docking facility east of it was revised during final review. The Marine Surveys Division was advised of these revisions by memo.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18754, 1:10,000 scale, 12 th edition, dated April 19, 1975.

The chart shows three markers and several piles north of the bridge leading to Upper Newport Bay and several pier ruins and dolphins on the north shore to the entrance to Newport Bay. None of these features are visible on the photographs and were not located by the field editor. The charted position of Newport

Channel Light "10" differs significantly from that on the map. A boat slip charted at lat. 33° 36.3', long. 117° 54.6' does not exist on the photographs. The building charted east of it and not shown on the map does exist.

The field editor stated that the vertical clearance of the overhead cables across the Grand Canal is 10 meters at mean high water. Clearance on the chart is 24 ft.

Many road patterns as well as the boardwalk are not shown on the map. However, these features are visible on the photographs as charted.

The new docking facility east of Promontory Bay and the "Floating Restaurant" north of Linda Isle are not shown on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

In all instances the shoreline area was not mapped back to and including the first road. Except for this the 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:

*B. J. H. Bann*

Chief, Photogrammetric Branch, AMC

Approved:

*John D. Perrow Jr.*

Chief, Photogrammetric Branch

*A. K. Heydon*

Chief, Coastal Mapping Division



