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

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [X] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP-00410

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH-7107

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Norfolk, Va.

OFFICER-IN-CHARGE
Jeffrey G. Carlen, CDR

LAST PRECEEDING MAP EDITION
TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED
JOB PH-
MAP CLASS
SURVEY DATES:
19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	August 17, 1971	Premarking	March 1, 1971
Compilation	November 3, 1971	Premarking Supplement I	February 25, 1972
Supplement 1	October 9, 1973		
Amendment 1	October 30, 1973		
Amend. 1 to Supp. 1	January 28, 1974		

II. DATUMS

1. HORIZONTAL: [X] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [X] MEAN HIGH-WATER [ ] MEAN LOW-WATER [X] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: California; ZONE: 6

5. SCALE: 1:5,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytical	BY	D. Brant	Nov 1971
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	Oct 1971
	CHECKED BY	D. Phillips	Oct 1971
3. STEREOSCOPIC INSTRUMENT COMPILATION	PLANIMETRY BY	L. O. Neterer	Dec 1971
	CHECKED BY	A. L. Shands	Dec 1971
INSTRUMENT: Wild B-8	CONTOURS BY	NA	
SCALE: 1:7500	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	R. J. Pate & L.L.G.	Jan 1972
	CHECKED BY	C. H. Bishop	Feb 1972
METHOD: Smooth drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1;5,000	HYDRO SUPPORT DATA BY	R. J. Pate	Dec 1971
	CHECKED BY	C. H. Bishop	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	E.L. DAUGHERTY	JUN 1980

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

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"

TIDE STAGE REFERENCE
- [X] PREDICTED TIDES
- [ ] REFERENCE STATION RECORDS
- * [X] TIDE CONTROLLED PHOTOGRAPHY

TYPES OF PHOTOGRAPHY LEGEND
- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

TIME REFERENCE
ZONE: Pacific — [X] STANDARD
MERIDIAN: 120th — [ ] DAYLIGHT

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) mean range 3.8 ft.
SUB STA-BALBOA (OCEAN PIER) 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 SURVEY

TP-00410

[redacted]

NOAA FORM 76-36C
(3-72)

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

TP-00410

HISTORY OF FIELD OPERATIONS

I. ☐ 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	FAIRWEAHTER 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 ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
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

PHOTO NUMBER	STATION NAME

2. VERTICAL CONTROL IDENTIFIED

None

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 ☐ COMPLETE ☒ ONLY

6. BOUNDARY AND LIMITS ☐ SURVEYED ☒ ONLY

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, 1976
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

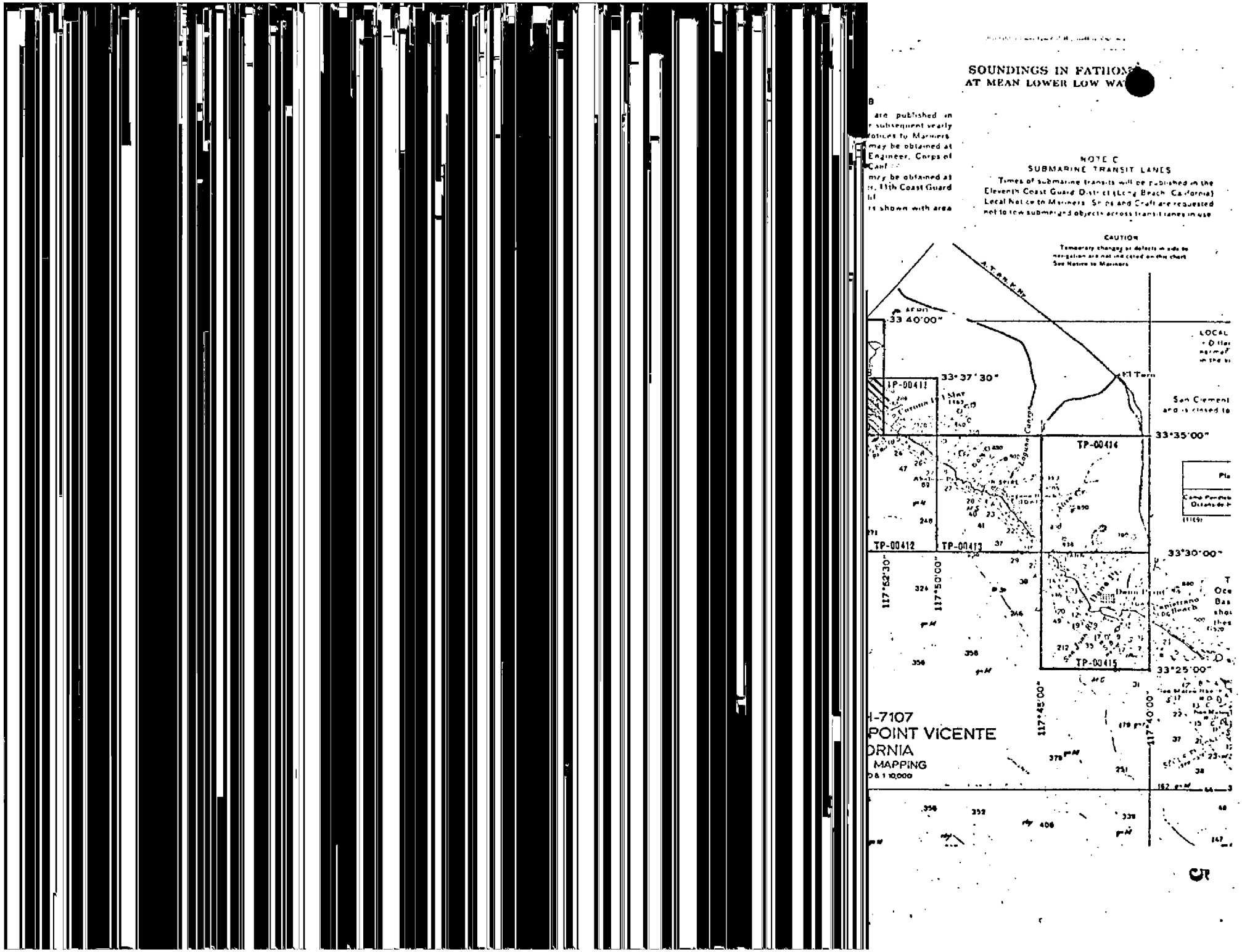
III. FEDERAL RECORDS CENTER DATA

1. XX BRIDGING PHOTOGRAPHS; X DUPLICATE BRIDGING REPORT; X COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; XX FORM NOS 76-40 SUBMITTED BY FIELD PARTIES.
3. X 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)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐II. ☐III. ☐IV. ☐V. ☐FINAL

* U.S. G.P.O. 1972-769380/548 REG.#6


SOUNDINGS IN FATHOMS
AT MEAN LOWER LOW WA
NOTE C
SUBMARINE TRANSIT LANES
CAUTION
33°40'00"
33°37'30"
33°35'00"
33°30'00"
33°25'00"
117°52'30"
117°50'00"
117°45'00"
117°40'00"
TP-00412
TP-00413
TP-00414
TP-00415
POINT VICENTE
MAPPING

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	1:10,000 scale
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.

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.

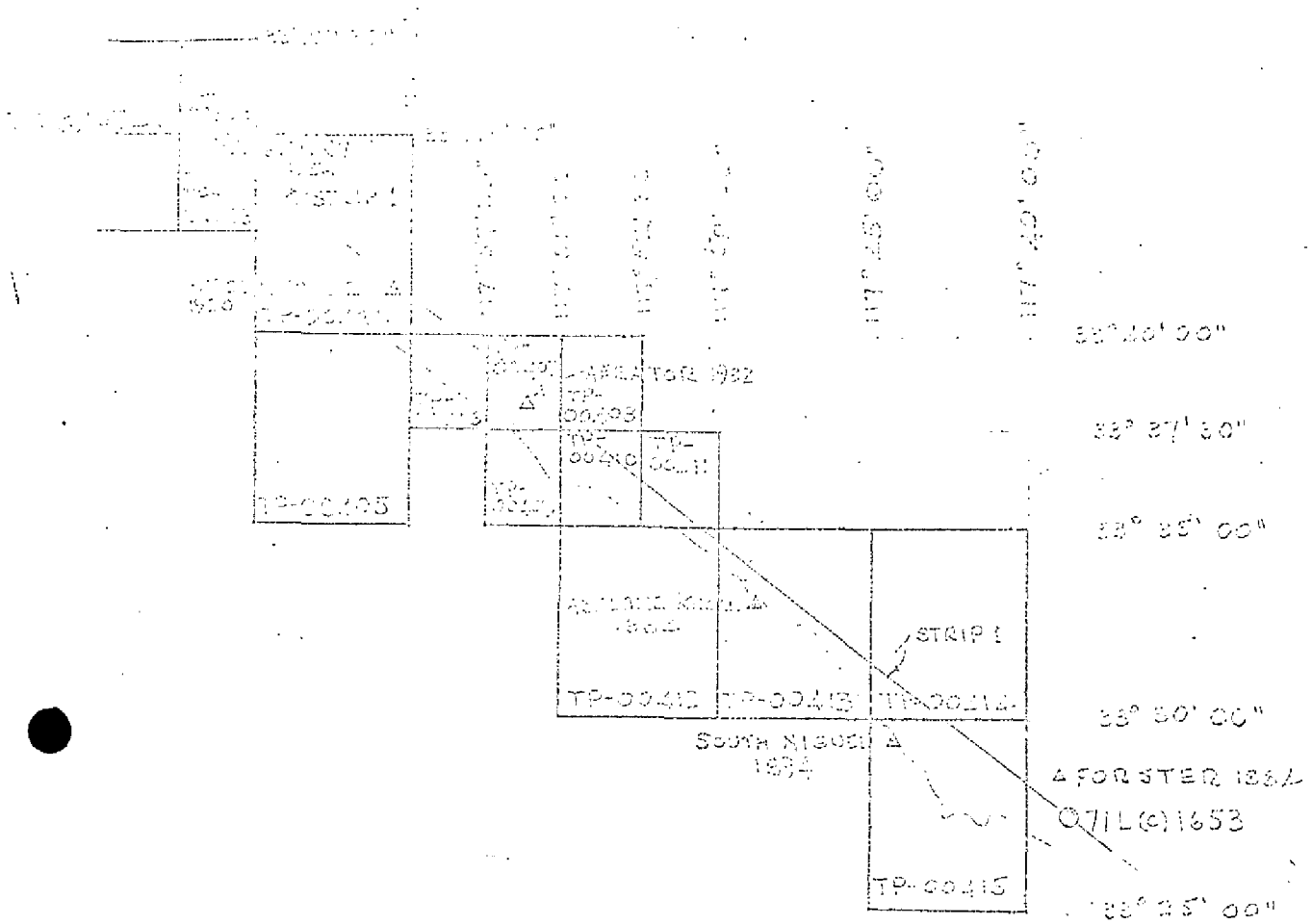
Submitted by:

Donald M. Brant

Approved by:

Henry E. Eichert, Chief
Aerotriangulation Section

Sketch #1 8c



Δ CONTROL USED IN ADJUSTMENT
○ 1:80,000 SCALE PHOTOGRAPHY

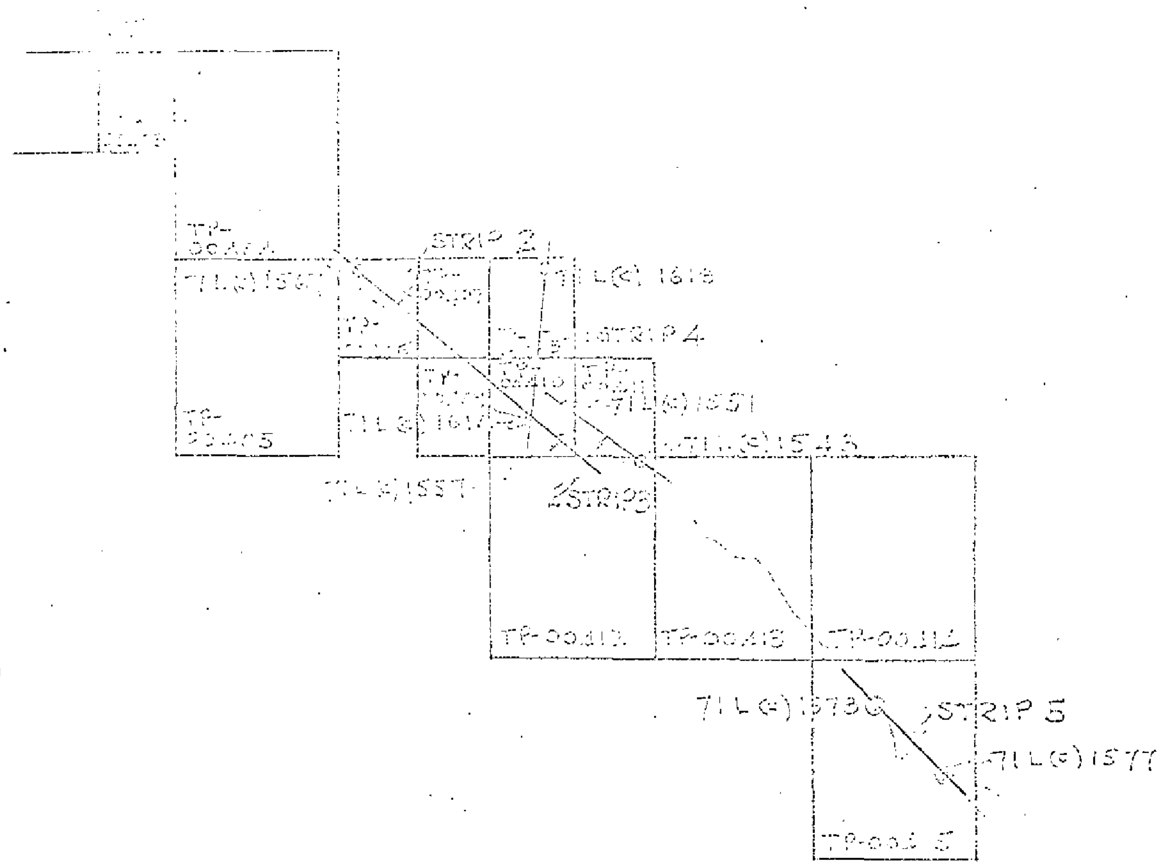
JOB PH - 7107

DANA POINT TO POINT VICENTE

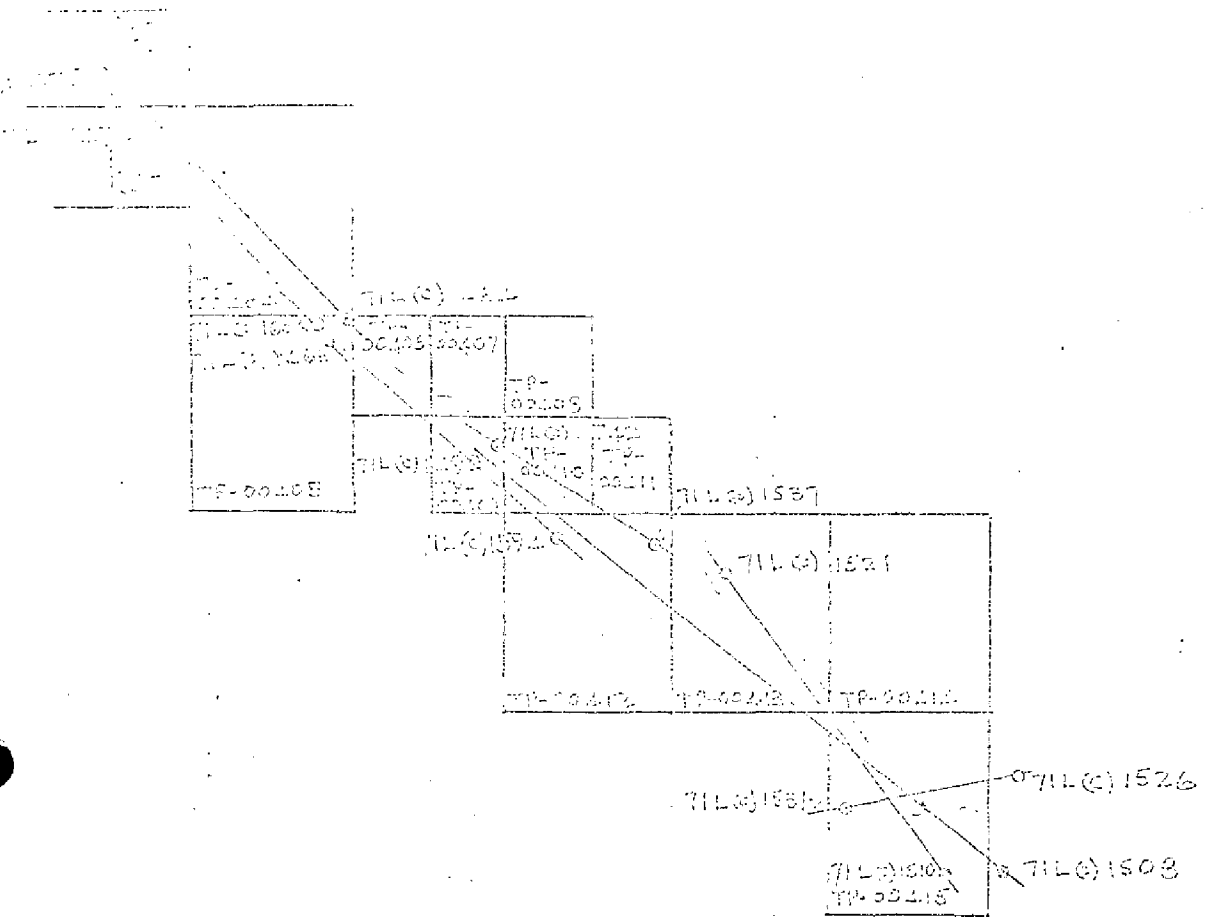
CALIFORNIA

SHORE LINE MAPPING

SCALE 1:10,000 & 1:5,000



o 1:15,000 PHOTOGRAPHY
⊙ 1:50,000 PHOTOGRAPHY



○ 1:15,000 SCALE HYDRO CONTROL PHOTOGRAPHY
● 1:32,000 SCALE HYDRO CONTROL PHOTOGRAPHY

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00410	PH-7107	NA 1927	Coastal Mapping Division, Norfolk, Va.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE California ZONE 6	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
NEWPORT BEACH, BALBOA DISTRICT HOTEL TOWER, 1933	331174 1184		x=	φ 33 36 05.997	184.8	1663.7
			y=	λ 117 53 56.884	1466.6	80.4
* NEWPORT BEACH, BALBOA PAUILION FLAGPOLE, 1933	331174 1186		x=	φ 33 36 09.774	301.1	1547.4
			y=	λ 117 53 52.552	1354.9	192.1
NEWPORT HARBOR, HIGH SCHOOL TOWER, 1933	331174 1190		x=	φ 33 37 22.108	681.1	1167.4
			y=	λ 117 54 44.873	1156.6	390.0
* CUPOLA, 1911	331174 1185		x=	φ 33 36 09.772	301.1	1547.4
			y=	λ 117 53 52.545	1354.7	192.3
PROMONTORY, 1875	331174 1099		x=	φ 33 36 48.746	1501.8	346.7
			y=	λ 117 53 49.630	1279.4	267.4
ORIGIN (USE), 1960	331174 1100		x=	φ 33 36 47.4604	1462.2	386.3
			y=	λ 117 53 49.4308	1274.3	272.5
			x=	φ		
			y=	λ		
* These two stations occupy approximately the same position A.L.S. 8/22/78			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY A. C. Rauck, Jr.	DATE 12/3/71	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
Balboa Beach
Balboa Island
Balboa Yacht Basin
Bay Island
Beacon Bay
Collins Island
Corona del Mar
Grand Canal
Harbor Island
Lido Isle
Linda Isle
Newport Bay
Newport Beach
Newport Beach (locality)
Newport Heights
Pacific Ocean
Promontory Bay
Upper Newport Bay

Approved by:

Charles E. Harrington, C3x8
Chief Geographer

NOAA FORM 75-74 (7-75)

U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00410

12

1. PROJECTION AND GRIDS	2. TITLE	3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
CB	CB	CB	NA

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)	7. PHOTO HYDRO STATIONS
CB	NA	NA

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	NA	CB	CB

ALONGSHORE AREAS *(Nautical Chart Data)*

12. SHORELINE	13. LOW-WATER LINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
CB	CB	CB	CB

16. AIDS TO NAVIGATION	17. LANDMARKS	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
CB	CB	CB	CB

PHYSICAL FEATURES

20. WATER FEATURES	21. NATURAL GROUND COVER	22. PLANETABLE CONTOURS
CB	NA	NA

23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOURS IN GENERAL	25. SPOT ELEVATIONS	26. OTHER PHYSICAL FEATURES
NA	NA	NA	CB

CULTURAL FEATURES

27. ROADS	28. BUILDINGS	29. RAILROADS	30. OTHER CULTURAL FEATURES
CB	CB	CB	CB

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES	34. JUNCTIONS	35. LEGIBILITY OF THE MANUSCRIPT
CB	CB	CB

36. DISCREPANCY OVERLAY	37. DESCRIPTIVE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
CB	CB	NA	CB

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Allen C. Rauck Jr. FOR Charles Bishop 2/2/72	Allen C. Rauck Jr. 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	SUPERVISOR
I. Perkinson F. Margiotta 7/18/75	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:

[redacted]

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)

Replaces C&GS Form 567.

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

NONFLOATING AIDS [redacted] FOR CHARTS

ORIGINATING ACTIVITY
- [ ] HYDROGRAPHIC PARTY
- [ ] GEODETIC PARTY
- [ ] PHOTO FIELD PARTY
- [X] COMPILATION ACTIVITY
- [ ] FINAL REVIEWER
- [ ] QUALITY CONTROL & REVIEW GRP.
- [ ] COAST PILOT BRANCH

(See reverse for responsible personnel)

- [X] TO BE CHARTED
- [ ] TO BE REVISED
- [ ] TO BE DELETED

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

STATE: California

LOCALITY: Dana Point to Point Vicente

DATE: June, 1975

The following objects HAVE [X] HAVE NOT [ ] been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.: 411

JOB NUMBER: Ph-7107

SURVEY NUMBER: TP-00410

DATUM: N.A.1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
LIGHT	Newport Bay, West Jetty Light 3	33 35	17.83 549	117 52	43.21 1114		F-1-8-L Sept. 1974	18335 18337
LIGHT	Newport Bay, East Jetty Light 4	33 35	22.62 697	117 52	35.48 915		"	"
RADIO BEACON		33 35	17.92 552	117 52	43.24 1115		"	"
LIGHT	Newport Bay, Channel Light 5	33 35	56.02 1726	117 52	54.45 1404		F-3-8-L Sept. 1974	"
LIGHT	Newport Bay, Channel Light 11	33 36	28.76 886	117 54	12.26 316		"	"
LIGHT	Newport Bay, Channel Light 12	33 36	42.33 1304	117 54	25.83 666		"	"
LIGHT	Balboa Island, North Channel Light 2	33 36	32.04 987	117 53	59.04 1522		"	"
LIGHT	Lido Isle East Light 2	33 36	31.42 968	117 54	30.84 795		"	"
LIGHT	Newport Bay, Channel Light 10	33 36	13.73 423	117 53	45.69 1178		"	"

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

[redacted] LANDMARKS FOR CHARTS

ORIGINATING ACTIVITY
- ☐ HYDROGRAPHIC PARTY
- ☐ GEODETIC PARTY
- ☐ PHOTO FIELD PARTY
- ☒ COMPILATION ACTIVITY
- ☐ FINAL REVIEWER
- ☐ QUALITY CONTROL & REVIEW GRP.
- ☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

(Office)	STATE	LOCALITY	DATE
oping Div. Folk, Va.	California	Dana Point to Point Vicente	July, 1975

OT ☐ been inspected from seaward to determine their value as landmarks.

SURVEY NUMBER: TP-00410

DATUM: N.A.1927

RIPTION ndmark or aid to navigation. s, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
	33 36	01.7 52	117 53	56.9 1467		P-V-Vis. Sept.1974 71L(C) 1541	18335 18337
	33 35	53.9 1662	117 54	00.5 14		" " "	" "
igh School Tower,1933)	33 37	22.108 681.1	117 54	44.873 1156.6		Triang. not recovered	" "
r	33 36	08.9 274	117 52	57.3 1477		No field edit data received	" "
lboa District,)	33 36	05.997 184.8	117 53	56.884 1466.6		" " " " "	" "
	33 36	09.772 301.1	117 53	52.545 1354.7		" " " " "	

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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 [redacted]

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 boadwalk 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.

[redacted]

FORM C&GS-8352
(3-25-63)

NAUTICAL CHART 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.

CHART	DATE	CARTOGRAPHER	REMARKS
18754	6-23-80	C James	Full ~~Part~~ ~~Before~~ After Verification Review Inspection Signed Via
		7-14-80	Drawing No. Exam no corr
18746	6-23-80	C James	Full ~~Part Before~~ After Verification Review Inspection Signed Via
		6-25-80 KRS	Drawing No. 35 Exam no corr
18740	6-23-80	C James	Full ~~Part Before~~ After Verification Review Inspection Signed Via
		6-25 - RCS	Drawing No. #46 Exam no corr
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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