TP-00415

TP-00415

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-00415

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State California

General Locality Dana Point to Point Vicente

Locality Dana Point Harbor

19 71 TO 19 74

REGISTRY IN ARCHIVES

DATE

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

I

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-00415
MAP EDITION NO. (1)
MAP CLASS Final
JOB PH-7107

PHOTOGRAMMETRIC OFFICE
Coastal Mapping Division
Norfolk, Va.

OFFICER-IN-CHARGE
Jeffrey G. Carlen

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	
Compilation	November 5, 1971	Premarking	March 1, 1971
Supplement 1	October 9, 1973	Premarking Supplement I	Feb. 25, 1972
Amendment 1	October 30, 1973		
Amend. 1 to Supp. 1	January 28, 1974		
Aerotriangulation	August 17, 1971		

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: 1:10,000 — 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 INSTRUMENT: Wild B-8 SCALE: 1:15,000	PLANIMETRY BY	L. O. Neterer	Nov 1971
	CHECKED BY	A. L. Shands	Nov 1971
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Smooth Drafted SCALE: 1:10,000	PLANIMETRY BY	R. Pate	Dec 1971
	CHECKED BY	A. L. Shands	Dec 1971
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	R. Pate	Dec 1971
	CHECKED BY	A. L. Shands	Dec 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	A. L. Shands	Dec 1971
6. APPLICATION OF FIELD EDIT DATA	BY	S. Kumer & J. Roderick 8/75	Jul 1972
	CHECKED BY	R. R. White	Jul 1972
7. COMPILATION SECTION REVIEW	BY	R. R. White	Jul 1972
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

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

TP-00415

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "L"

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

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

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

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
71L(C) 1502 - 1507	3/5/71	10:21 STD	1:20,000	0.1 ft. above MLLW
71L(C) 1511 - 1515	3/5/71	10:21 STD	1:20,000	0.3 ft. above MLLW
71L(C) 1528	3/5/71	10:33 STD	1:20,00	0.0 ft. above MLLW
*71L(I) 2201 - 2204	3/7/71	15:00 STD	1:20,000	±0.2 ft. of MLLW
72 L(I) 2412-2414	3/23/72	12:53	1:20,000	0.1 ft. above MLLW

REMARKS
REF. STA.-San Diego, California — mean range 4.1 ft.
SUB. STA.-San Clemente, California — 3.7 ft.

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHWL was compiled from office interpretation of the above listed compilation photography. In the area of overlap with T-11864(2), the MHWL was mapped from 72(I)L 2412 ~~E~~ thru 2414 ~~E~~ on T-11864(2) and transferred to TP-00~~864~~ 415. 72L(I)2412 ~~E~~ thru 2414~~E~~ are the latest photographs of the area. See item 5 below

A.L.S.

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

*The MLLWL was compiled from tide coordinated 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
TP-00414	T-11864(2) PH-6702	No survey	No survey

REMARKS
01' 15" overlap between this sheet and sheet to the east

NOAA FORM 76-36C
(3-72)

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

TP-00415

HISTORY OF FIELD OPERATIONS

I. [XX] 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	R. B. Melby	Feb/Mar'71
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	P. T. W.	Feb 1971
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: [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION — BY		
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
71L(C) 1657	SOUTH MIGUEL, 1884		

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)*: 1-Form 152

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36C
(3-72)

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

TP-00415

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	FAIRWEATHER personnel	Oct 1974
	LOCATED (*Field Methods*) BY	FAIRWEATHER personnel	Oct 1974
	IDENTIFIED BY	FAIRWEATHER personnel	Oct 1974
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☐ NO INVESTIGATION	BY	
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 (5) -1507 (12), 71L(C) 1511 (4) -1515 ~~& 71L(C) 1528~~

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*)

MAp TP-00415 (Field Edit copy); and Field Edit Report, ~~OPR-411-FA-74, Map TP-00415~~ A.L.S.

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE: 1974 - 768-078

NOAA FORM 76-36D
(3-72)

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

TP-00415

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	12/7/71	Class III manuscript Superseded	None	12/21/71
Field edit applied (partially)	7/7/72	Class I manuscript Superseded	2/21/74	
Field edit applied compilation complete	7/24/75	Class I manuscript	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
~~2~~ 1		5/24/76	Landmarks for deletion
~~2~~ 1		5/24/76	Aids to be charted

2. [X] 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. [X] BRIDGING PHOTOGRAPHS; [XX] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; [X] FORM NOS. XXX7 SUBMITTED BY FIELD PARTIES. 76-40
3. [X] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

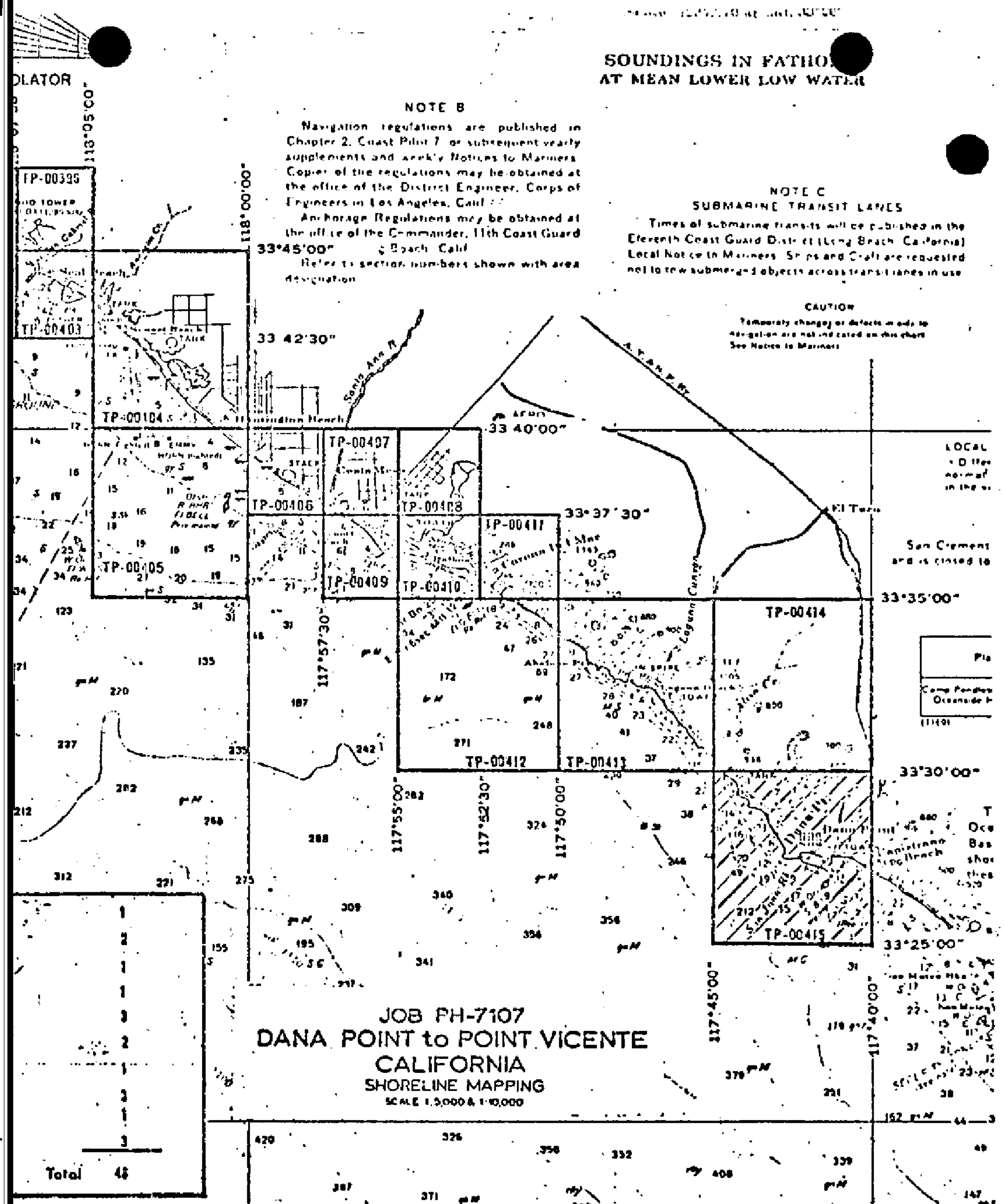
4. [ ] DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

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

NOAA FORM 76-36D

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


SOUNDINGS IN FATHO
AT MEAN LOWER LOW WATER
NOTE B
Navigation regulations are published in Chapter 2, Coast Pilot 7, or subsequent yearly supplements and weekly Notices to Mariners. Copies of the regulations may be obtained at the office of the District Engineer, Corps of Engineers in Los Angeles, Calif.
Anchorage Regulations may be obtained at the office of the Commander, 11th Coast Guard Long Beach, Calif.
Refer to section numbers shown with area designation.
NOTE C
SUBMARINE TRANSIT LANES
Times of submarine transits will be published in the Eleventh Coast Guard District (Long Beach, California) Local Notice to Mariners. Ships and Craft are requested not to tow submerged objects across transit lanes in use.
CAUTION
JOB PH-7107
DANA POINT to POINT VICENTE
CALIFORNIA
SHORELINE MAPPING
TP-00396
TP-00403
TP-00104
TP-00105
TP-00406
TP-00407
TP-00408
TP-00409
TP-00410
TP-00411
TP-00412
TP-00413
TP-00414
TP-00415
33°45'00"
33 42'30"
33 40'00"
33°37'30"
33°35'00"
33°30'00"
33°25'00"
118°05'00"
118°00'00"
117°57'30"
117°55'00"
117°52'30"
117°50'00"
117°45'00"
117°40'00"
Total 48

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.

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:

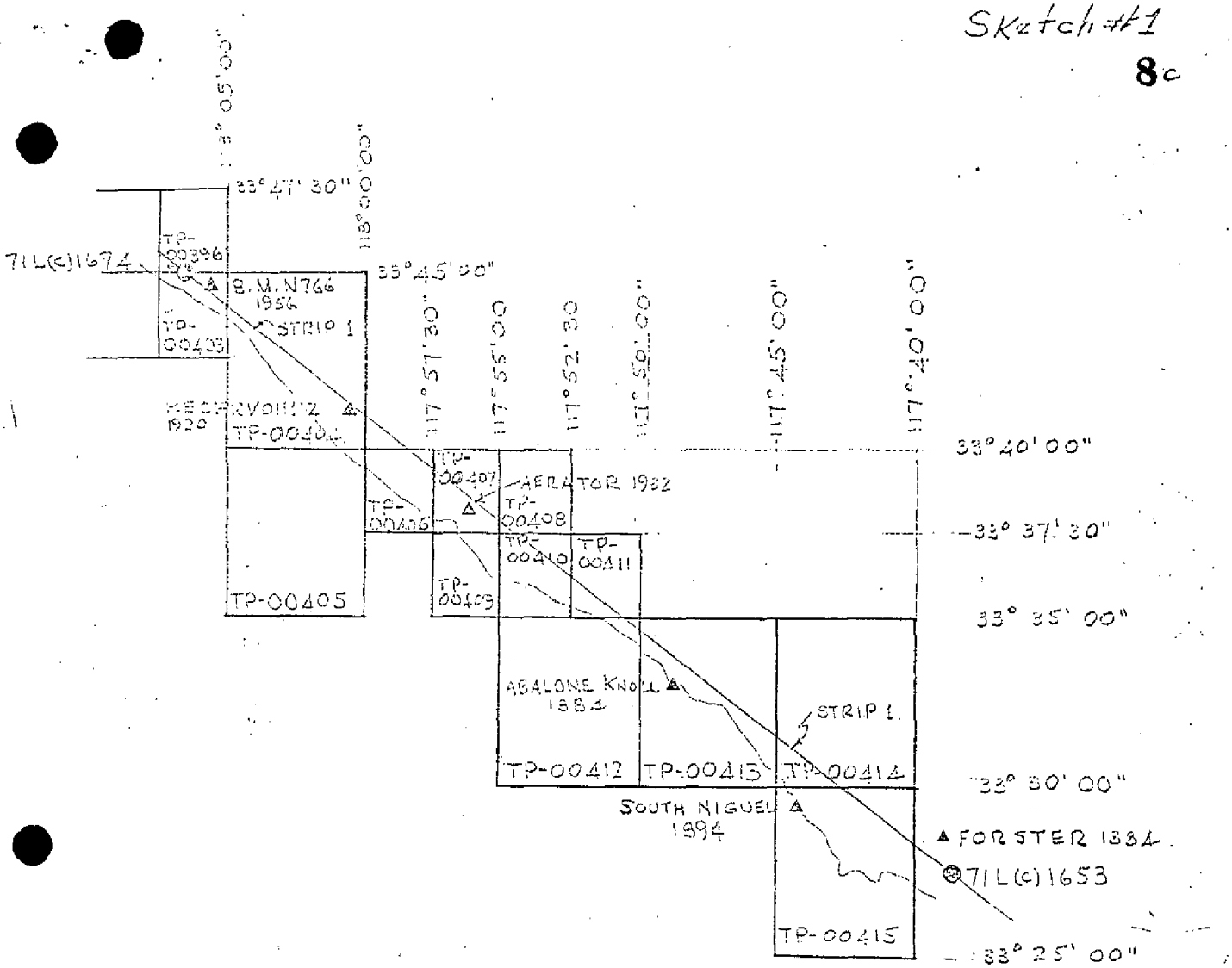
Donald M. Brant

Approved by:

Henry P. Eichert, Chief
Aerotriangulation Section

Sketch #1

8c



△ CONTROL USED IN ADJUSTMENT
⊛ 1:30,000 SCALE PHOTOGRAPHY

JOB PH - 7107

DANA POINT TO POINT VICENTE

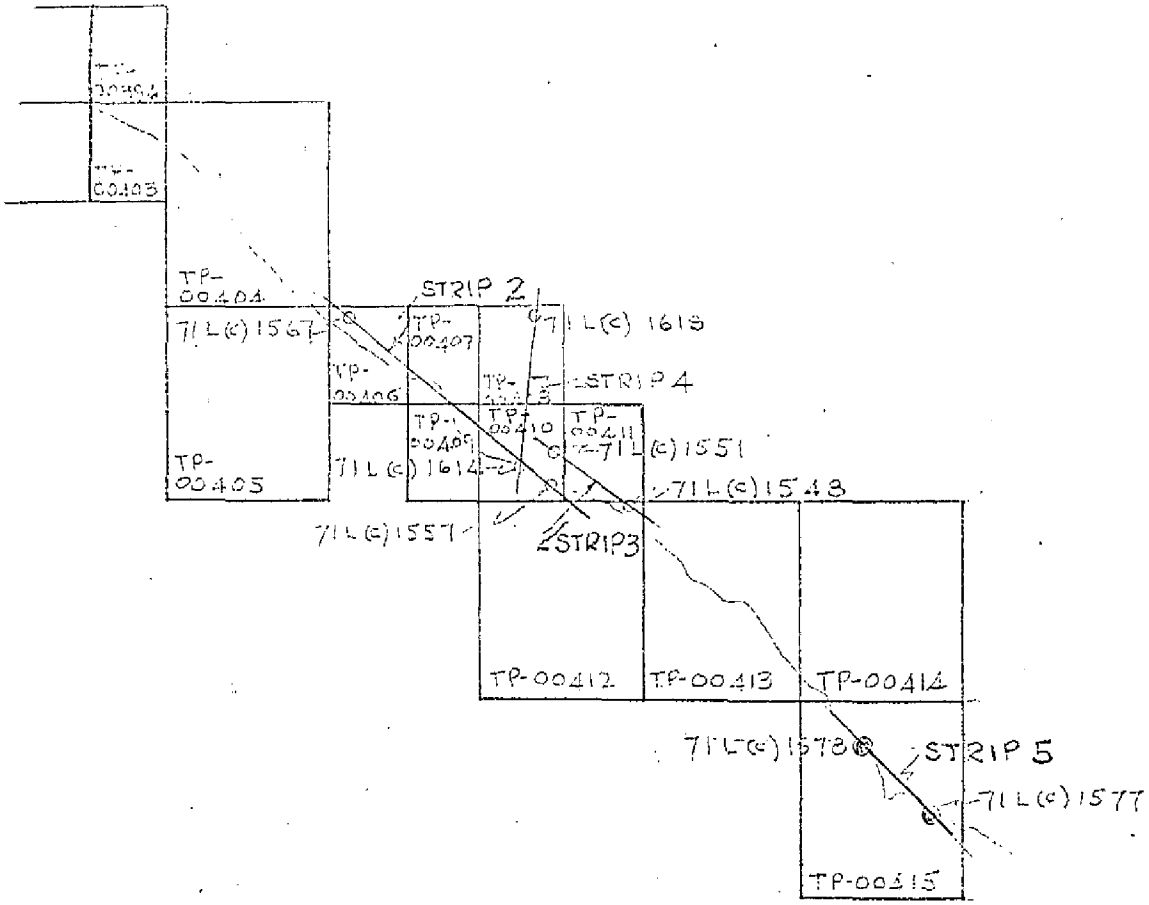
CALIFORNIA

SHORELINE MAPPING

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

Skatch #2

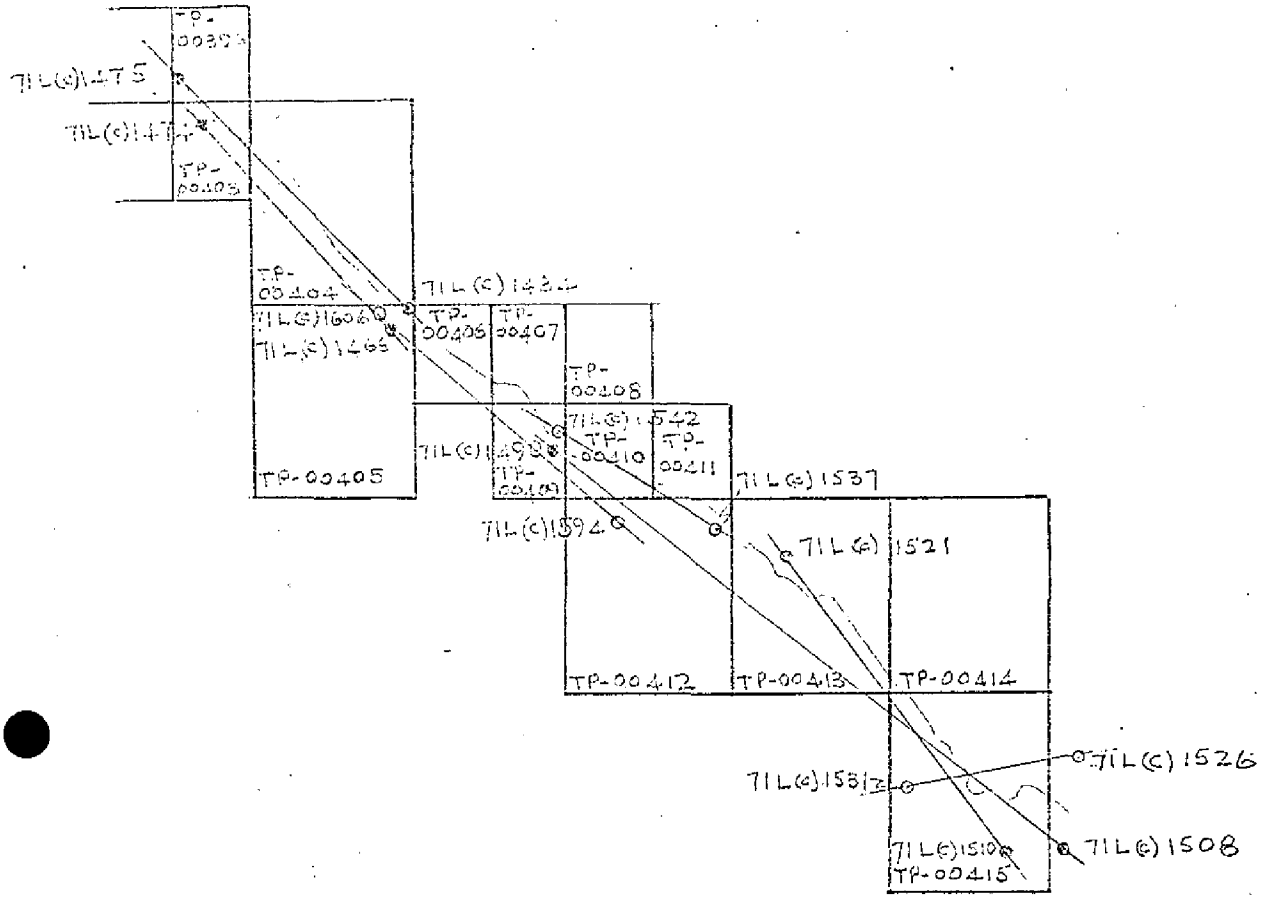
8.d



o 1:15,000 PHOTOGRAPHY

◎ 1:30,000 PHOTOGRAPHY

Sketch #3 · 8°



○ 1:15,000 SCALE HYDRO SUPPORT PHOTOGRAPHY
● 1:20,000 SCALE HYDRO SUPPORT 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-00415	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
DANA POINT, 1884	331174 1008		x=	φ 33 27 51.097	1574.2	(274.3)
			y=	λ 117 42 30.169	779.1	(770.3)
HOUSE CHIMNEY, NORTH OF MUSSEL COVE, 1933	331174 1038		x=	φ 33 29 56.342	1735.8	(112.7)
			y=	λ 117 44 32.501	838.9	(709.8)
SOUTH NIGUEL, 1884	331174 1023		x=	φ 33 29 51.221	1578.0	(270.5)
			y=	λ 117 43 58.038	1498.1	(50.6)
MUSSEL COVE 2, 1933	331174 1015		x=	φ 33 29 19.386	597.2	(1251.3)
			y=	λ 117 44 11.356	293.2	(1255.7)
HOUSE WHITE TOWER, EAST OF MUSSEL COVE, 1933	331174 1039		x=	φ 33 29 33.481	1031.5	(817.0)
			y=	λ 117 44 12.052	311.1	(1237.8)
SAN JUAN ROCKS, HIGHEST ROCK OF GROUP, 1933	331174 1047		x=	φ 33 27 25.609	789.0	(1059.5)
			y=	λ 117 42 46.085	1190.1	(359.4)
DOHENEY, 1933	331174 1009		x=	φ 33 27 35.716	1100.3	(748.2)
			y=	λ 117 40 20.874	539.1	(1010.3)
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		

COMPUTED BY	R. J. Pate	DATE 12/6/71	COMPUTATION CHECKED BY	F. P. Margiotta	DATE 12/6/71
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-00415

31. DELINEATION:

The Wild B-8 Plotter was used. Photograph coverage was adequate. There was no field inspection prior to compilation.

32. CONTROL:

See Photogrammetric Plot Report, Part 1 dated November 1971.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage has been shown from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line and foreshore areas were delineated from office interpretation of the photographs.

The low-water line was taken from infrared photography flown at mean lower low water.

The shore line from long. 117°40'00" to long. 117°41'15" is not in agreement with T-11864 RS 842 due to differencies in photography and time.

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:

No statement.

39. JUNCTIONS:

See form 76-36b.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS Quadrangle Dana Point, California, scale 1:24,000, dated 1968.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart No. 5142, 9th edition, scale 1:80,000, dated April 1971.

ITEMS TO BE APPLIED TO NAUTICAL CAHRTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck Jr. FOR
R. J. Pate
Cartographic Tech.
December 8, 1971

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00415

FIELD EDIT

Field edit data provided was adequate, but coverage of the area was incomplete. A second investigation was made in October, 1974, and the new edit was applied:

1.) The field editor noted that triangulation station Green Water Tank North-East of Dana Point, 1933 was destroyed and that the position for a new tank nearby was included in the horizontal control report for the project. This report could not be located, nor could a 76-40 form. The station was removed from the sheet.

2.) The field editor noted that a rock not located in the previous field edit was found with a wire drag, but no data was included with this information. He refers to Descriptive Report FA-10-1-74 OPR-411-1974, but this report was not available.

3.) In the Rockville office in March, 1977, discrepancies were found in the overlap area with T-11864 (2)-the maps did not junction properly. The maps were returned to the AMC, the error was corrected, and the maps were returned to Rockville on March 18, 1977. See Form 76-36b. of this report.

Joanne Roderick

June 16, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00415

Atchison Topeka and Santa Fe (RR)
Capistrano Beach (locality)
Capistrano Bight
Dana Cove
Dana Point
Dana Point (locality)
Dana Point Harbor
Gulf of Santa Catalina
Mussel Cove
Pacific Ocean
Salt Creek
San Juan Anchorage
San Juan Creek
San Juan Rock
Serra
South Laguna
Three Arch Bay (locality)

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 - 00415

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

CONTROL STATIONS

5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS

[redacted]

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. Burroughs, NOAA
Commanding Officer
NOAA Ship FAIRWEATHER (MSS-20)

FIELD EDIT REPORT

MAP TP-00415

DANA POINT HARBOR, CALIFORNIA

OCTOBER 1974

Field edit of map TP-00415 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

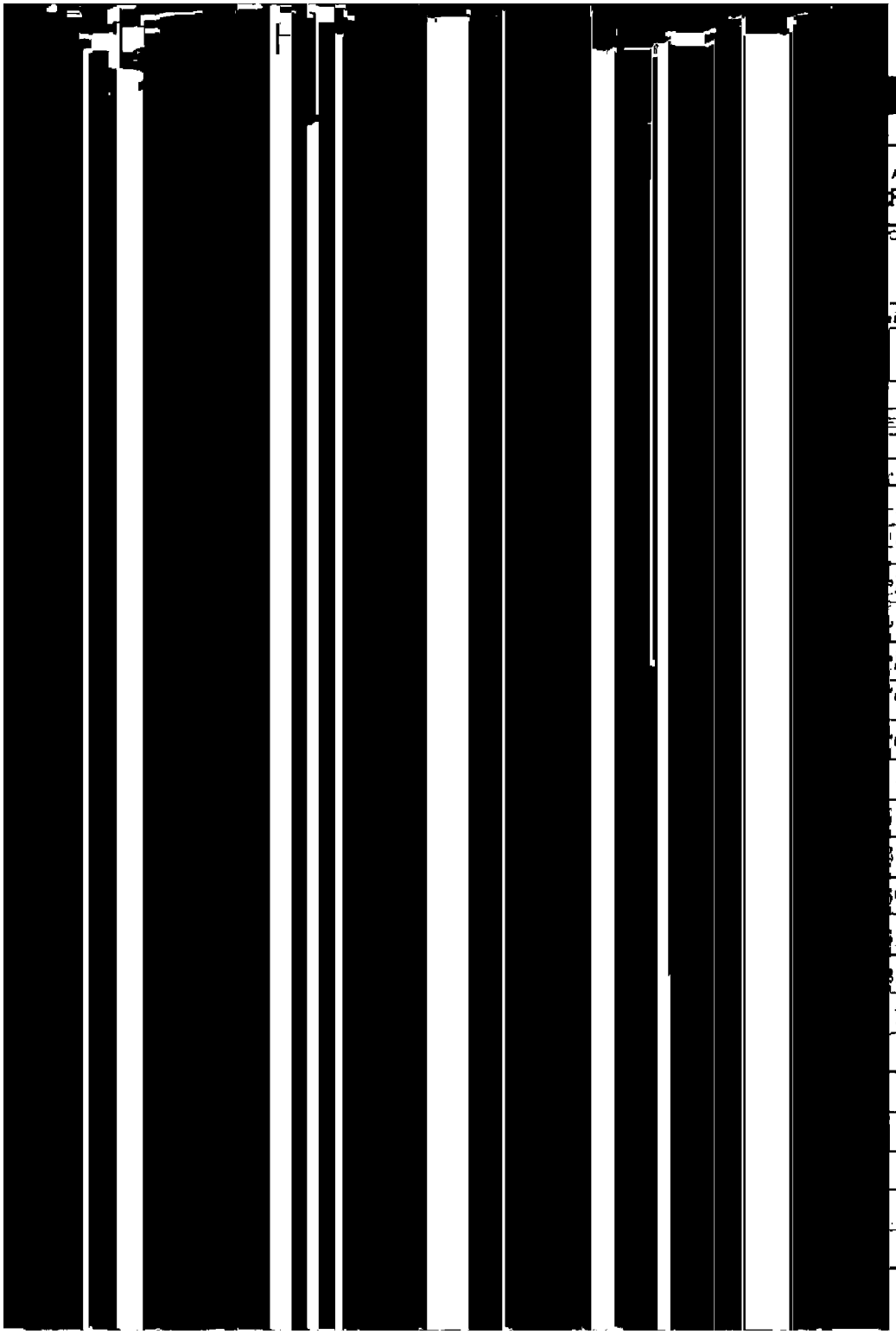
Compilation of this map is good. Field edit location of details compare well with photogrammetric location.

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



U.S. DEPARTMENT OF COMMERCE
AL OCEANIC AND ATMOSPHERIC ADMINISTRATION
R 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)

CALITY	DATE
Dana Point to Point Vicente	Aug.1975

ine their value as landmarks.

N.A.1927

POSITION				METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED
E	LONGITUDE					
// .Meters	° ′	// D.P.Meters		OFFICE	FIELD	
5.59	117 41	26.39			F-2-6-L Sept.1974	5101 5142
180		681				
4.37	117 41	28.06			"	"
51		725			"	"
4.70	117 41	37.89			"	5142
61.		979			"	
6.54	117 41	45.84			"	"
818		1184			"	
.41	117 41	53.83			"	"
75		1390			"	
0.27	117 42	01.79			"	"
3		46			"	
2.14	117 42	09.75			"	"
990		252			"	

142

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

[redacted]ANDMARKS FOR CHARTS

☐ 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 Aug. 1975

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

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)

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
411	Ph-7107	TP-00415	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	LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side): OFFICE	FIELD	CHARTS AFFECTED
TOWER	(Dana Point Richfield Tower, 1932)	33 27	52.147 1606.5	117 41	02.518 65.0	71L(C) 1506 March, 1971	F-V-Vis. Destroyed	5101
BUILDING		33 27.3		117 40.0		" "	" "	"

REVIEW REPORT
TP-00415

SHORELINE

61. GENERAL STATEMENT:

See Summary page 6 of this descriptive report.

The shoreline east of longitude 117°41'20" was traced from map T-11864(2). See Form 76-36B, page 2 of this descriptive report. This was done in order to affect a junction between this project and project PH-6702. None of the data used to compile that part of the shoreline was available at AMC during final review. It was noted by the field editor that the shoreline in the area is subject to change due to the seasonal erosion and deposition of sand.

The field editor indicated the existence of a new landmark water tank 150 ft. west of "Green Water Tank N.E. of Dana Point, 1933", which was destroyed. The Form 76-40 referred to by him on the field edit ozalid was never submitted to the compilation office (AMC). That form went directly to the Marine Chart Division and the data was applied to the affected chart.

The field editor also noted the existence of a submerged rock near the entrance to Dana Point Harbor. Data concerning its position and height was not submitted to the compilation office. It is contained in Descriptive Report FA-10-1-74, OPR-411-1974. The rock is not shown on the map.

Field edit was performed on this map in March, 1972 and October, 1974.

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 Verified Smoothsheets H-9274 (RA-5-1-72), H-9468 (FA-10-2-74) and H-9467 (FA-10-1-74). The mean high water line and mean lower low water line east of longitude 117°41'20" do not agree. The shoreline, shown on the map in that area was traced from T-11864(2) (PH-6702) which overlaps this map. See paragraph 61. These changes were made after the application of field edit but prior to final review. The Marine Surveys Division has been notified.

A statement by the field editor on the ozalid indicates that he was not able to locate the submerged ruins shown on the smoothsheet at latitude 33° 27.5', longitude 117° 40.3'. These are not visible on the photos and are not shown on the map. Also the sewer outfall located east of the entrance to Dana Point Harbor is not visible on the photography and was not mapped.

Field edit was performed in two stages, March, 1972 and October, 1974. Different copies of "Class I maps" were forwarded to the Processing Division, PMC, in February, 1974 and August, 1975. None of the field edit data contained on the later copy was applied to H-9468. Consequently, the map shows rock heights, ledge and foul areas west of longitude 117° 43'00" that are not shown on H-9468. The Marine Surveys Division has been notified about these differences.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18746, 17th edition, dated March 19, 1977, scale 1:80,000, inset scale 1:20,000. Rocks awash charted at latitude 33° 27.3', longitude 117° 41.3' and latitude 33° 28.0', longitude 117° 43.0', two bare rocks just west of Sand Juan Rock, and the sewer line east of Dana Point Harbor are not visible on the photographs and were not mapped.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with 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
July 12, 1978

Approved for forwarding:

for Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division

(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
18746	6-20-80	GJones ? 6-25-80 RQS	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. # 35 INset Exam no corr
18746	6-20-80	GJones 6-25-80 RQS	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. # 35 Exam no corr
18790	6-20-80	GJones 6-25-80 RQS	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. # 6 Exam no corr
18774	6-20-80	GJones 6-25-80 RQS	Full ~~Part Before~~ After Verification Review Inspection Signed Via
			Drawing No. 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
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			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63