TP-00412

TP-00412

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-00412

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State California

General Locality Dana Point to Point Vicente

Locality Crystal Cove

19 71 TO 19 74

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- 00412
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 5, 1971		
Supplement 1	October 9, 1973	Premarking Supplement I	Feb. 25, 1972
Amendment 1	October 30, 1973		
Amendment 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: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	D. M. Brant	Nov 1971
	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat	PLOTTED BY	D. Phillips	Oct 1971
	CHECKED BY		
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: 1:15,000	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION	PLANIMETRY BY	A. L. Shands	Dec 1971
	CHECKED BY	R. J. Pate	Dec 1971
METHOD: Smooth Drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
SCALE: 1:10,000	HYDRO SUPPORT DATA BY	A. L. Shands	Dec 1971
	CHECKED BY	R. J. Pate	Dec 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	R. J. Pate	Dec 1971
6. APPLICATION OF FIELD EDIT DATA	BY	I. Perkinson	May 1975
	CHECKED BY	A. L. Shands	Jun 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

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-00412

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
MERIDIAN: 120th
[X] STANDARD
[ ] 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) 1493-1495	3/5/71	10:07 PST	1:20,000	0.4 ft. above MLLW
*71L(I) 2220R	3/7/71	15:19 PST	1:30,000	±0.2 ft. of MLLW*

REMARKS

*Identifies tide infrared photography

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photography.

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

The mean lowerer low water line was delineated from the above listed 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-00410&TP-00411	TP-00013	No survey	No survey

REMARKS

*These manuscripts are 1:5,000 scale.

NOAA FORM 76-36B
(3-72)

NOAA FORM 76-36C
(3-72)

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

TP-00412

HISTORY OF FIELD OPERATIONS

I. [X] 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	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	None	
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED *(Triangulation Stations)* BY	None	
	LOCATED *(Field Methods)* BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [XX] 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

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [XX] NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

None

☆U.S. Government Printing Office: 1975 — 665-661/1110, Region No. 6

NOAA FORM 76-36C
(3-72)

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

TP-00412

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	None	
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
NA None

2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS *(Clarification of details)*
71L(C) 1493-1496

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
NA 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-00412 (Field Edit copy); and Field Edit REport, OPR-411-FA-74, Map TP-00412

☆U.S. Government Printing Office: 1975 — 665-661/1110, Region No. 6

NOAA FORM 76-36D
(3-72)

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

TP-00412

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	12/9/71	Class III manuscript	None	12/21/71
Field edit applied Compilation Complete	5/22/75	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
			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

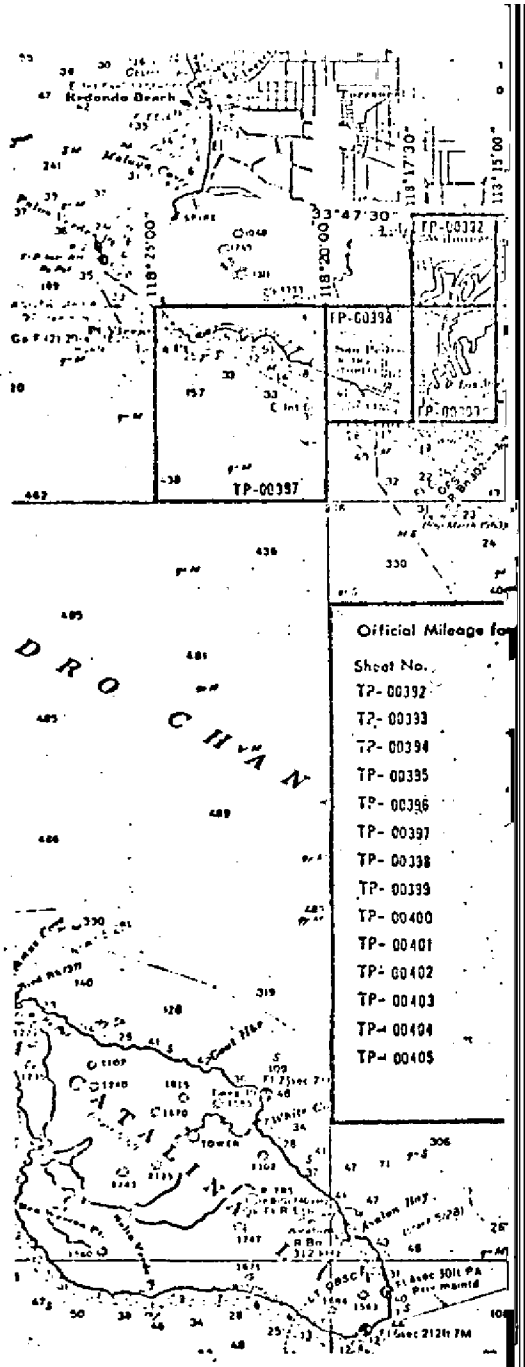
1. [X] BRIDGING PHOTOGRAPHS; [XX] DUPLICATE BRIDGING REPORT; [X] COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. [XX] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

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


Redondo Beach
33°47'30"
118°20'00"
118°17'30"
TP-00392
TP-00394
TP-00397
D R O C H A N
Official Mileage fo
Sheet No.
TP- 00392
TP- 00393
TP- 00394
TP- 00395
TP- 00396
TP- 00397
TP- 00398
TP- 00399
TP- 00400
TP- 00401
TP- 00402
TP- 00403
TP- 00404
TP- 00405

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,

Robt. 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

[redacted]

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.

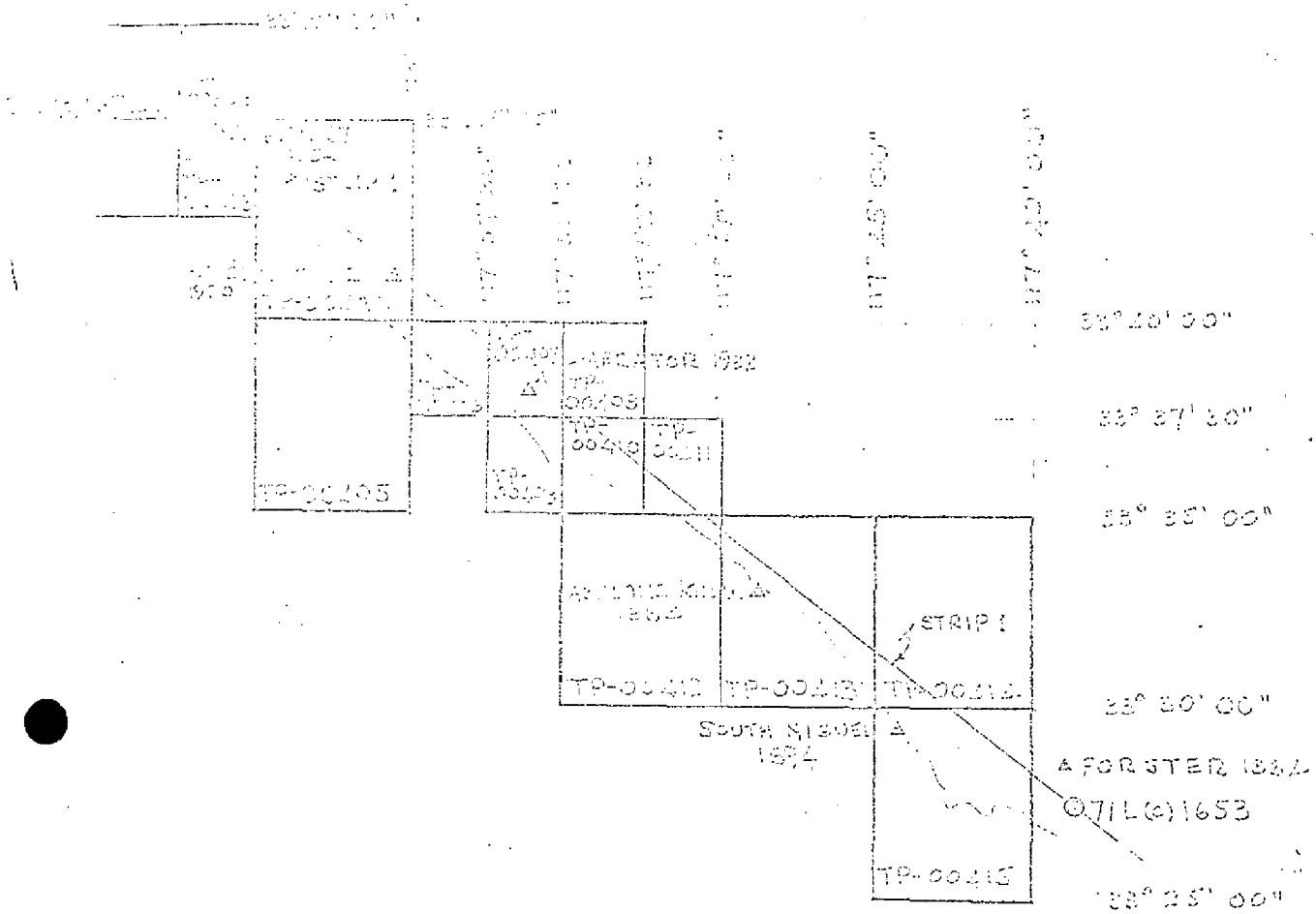
Submitted by:

Donald M. Brant

Approved by:

Henry E. Eichert, Chief
Aerotriangulation Section

Sketch #1



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

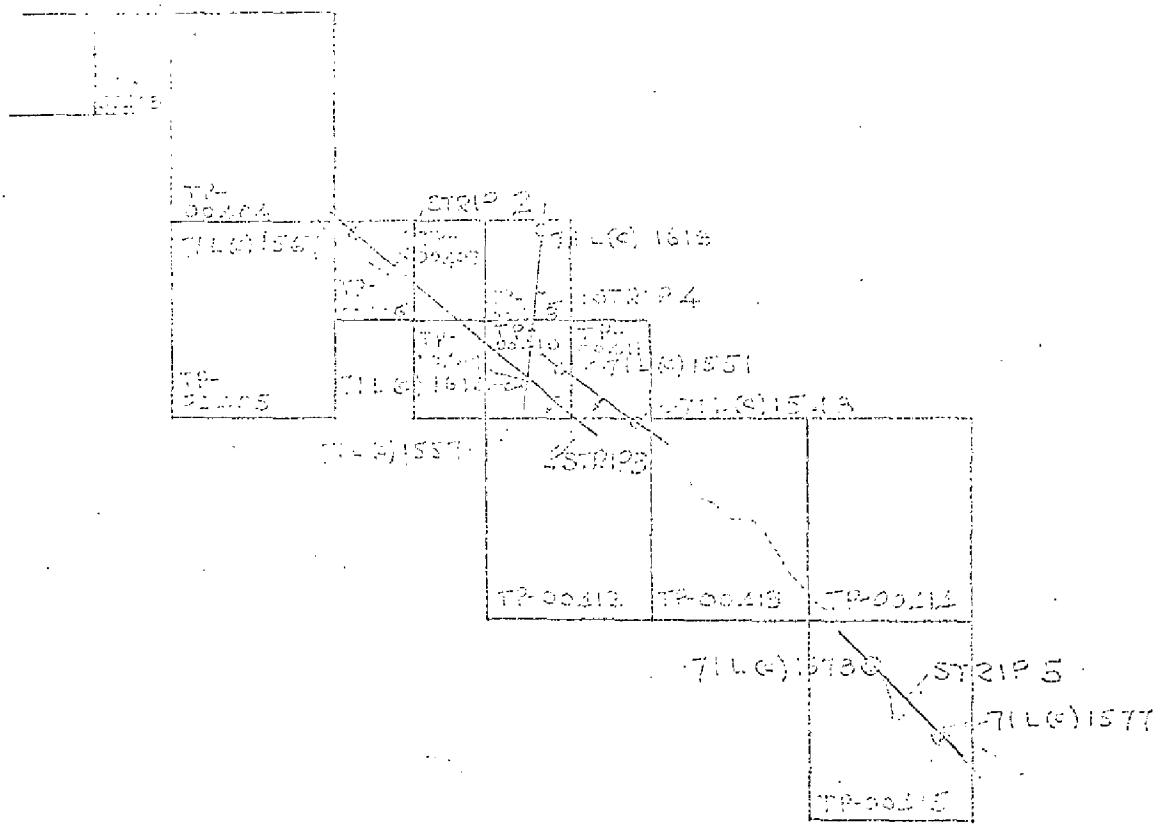
JOB PH - 7107

DANA POINT TO POINT VICENTE

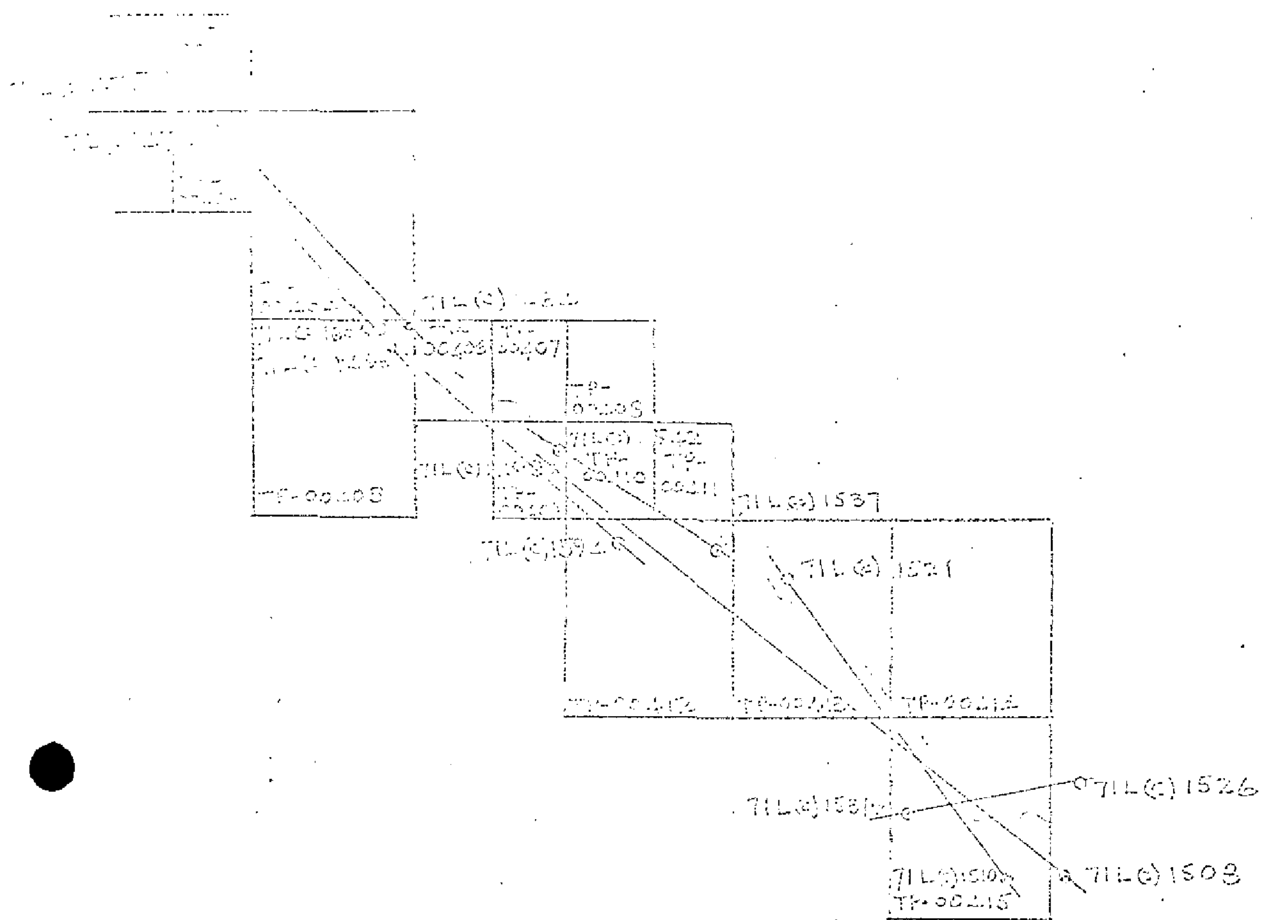
CALIFORNIA

SHORELINE MAPPING

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



○ 1:15,000 PHOTOGRAPHY
○ 1:30,000 PHOTOGRAPHY



○ 1:15,000 SCALE HYDRO SUPPORT PHOTOGRAPHY
● 1:30,000 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-00412	PH-7107	NA 1927	Coastal Mapping Division, Norfolk, Va.

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE California ZONE 6	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	REMARKS FORWARD	REMARKS BACK
ROCKY BIGHT, 1884	331174 1106		x=	φ 33 34 19.642	605.2	(1243.3)
			y=	λ 117 50 14.811	382.0	(1165.5)
PELICAN POINT, 1884	331174 1095		x=	φ 33 34 47.680	1469.0	(379.5)
			y=	λ 117 51 05.976	154.1	(1393.3)
			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	DATE	COMPUTATION CHECKED BY	DATE
A. L. Shands	12/9/71		
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-00412

31. DELINEATION:

The Wild B-8 stereoplotter was used to compile all details.

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 was delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line and all alongshore details were delineated from office interpretation of the photographs. The low water line was taken from infrared photography flown at mean lower low water.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

None.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Item #5, ESSA Form 76-36b of Descriptive Report.

40. HORIZONTAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison was made with USGS Quadrangle LAGUNA BEACH, CALIFORNIA, scale 1:24,000, dated 1965.

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:

A. L. Shands

A. L. Shands
Cartographer
Dec. 9, 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-00412

Crystal Cove (locality)

Gulf of Santa Catalina

Pacific Ocean

Pelican Point

Approved by:

Charles E. Harrington

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 - 00412

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

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
RJP	NA	NA

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

ALONGSHORE AREAS *(Nautical Chart Data)*

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

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

PHYSICAL FEATURES

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

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

CULTURAL FEATURES

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

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

MISCELLANEOUS

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

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

40. REVIEWER	SUPERVISOR, REVIEW SECTION OR UNIT
Albert C. Rauck Jr. For R. J. Pate 12/9/71	Albert C. Rauck Jr. A. 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 5/23/75	Albert C. Rauck Jr.
Reviewer: A. L. Shands A. L. Shands 6/75	A. C. Rauck, Jr.

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

FIELD EDIT REPORT

MAP TP-00412

CRYSTAL COVE, CALIFORNIA

OCTOBER 1974

Field edit of map TP-00412 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-00412

SHORELINE

July 18, 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 a copy of Final Verified Smooth~~sheet~~ sheet H-9469 (FA-10-3-74). A bare rock is shown on the smoothsheet at latitude 33°35.0', longitude 117°51.7' with a field elevation of "(0)". There is no evidence of a rock at that location on the photographs.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18746, 1:80,000 scale, 17th edition, dated March 17, 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 for forwarding:

Bill H. Barn

for Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Division