TP-00413

TP-00413

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-00413

Classification No. Final *Edition No.* 1

Field Edited Map

LOCALITY

State California

General Locality Dana Point to Point Vicente

Locality Laguna Beach

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- 00413

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	Febh25, 1972
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: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION	BY	D. Brant	Nov 1971
METHOD: Analytical	LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS	PLOTTED BY	D. Phillips	Oct 1971
METHOD: Coradomat	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	F. P. Margiotta	Dec 1971
	CHECKED BY	L. L. Graves	Dec 1971
METHOD: Smooth Drafted	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	F. P. Margiotta	Dec 1971
SCALE: 1:10,000	CHECKED BY	L. L. Graves	Dec 1971
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. L. Graves	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-00413

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) 1516-1521	3/5/71	10:22STD.	1:20,000	+0.1 ft. above MLLW
71L(C) 1496	3/5/71	10:08STD.	1:20,000	0.4 ft. above MLLW
*71L(I) 2216-2218	3/8/71	15:14STD.	1:30,000	± 0.2 ft. of MLLW

REMARKS

[redacted]

NOAA FORM 76-36C
(3-72)

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

TP-00413

HISTORY OF FIELD OPERATIONS

1. [X] FIELD INSPECTION OPERATION [ ] FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. P. Mallon	Feb/Mar 71

[redacted]

NOAA FORM 76-36C
(3-72)

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

TP-00413

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 A. M. Snella	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) 1517-1521

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

"Landscape Planting Plan," sheet L-17, 9/25/73

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

Map TP-00413(Field Edit Copy); and Field Edit Report, OPR-411-FA-74, Map TP-00413

*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-00413

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	12/15/71	Class III manuscript	None	12/21/71
Field Edit applied compilation complete	5/75	Class I	6/7/76	
Final Review	July 1978	Final	Nov 1978	

II. LANDMARKS AND AIDS TO NAVIGATION

None

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		5/24/76	Landmarks to be charted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: 5/24/76
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

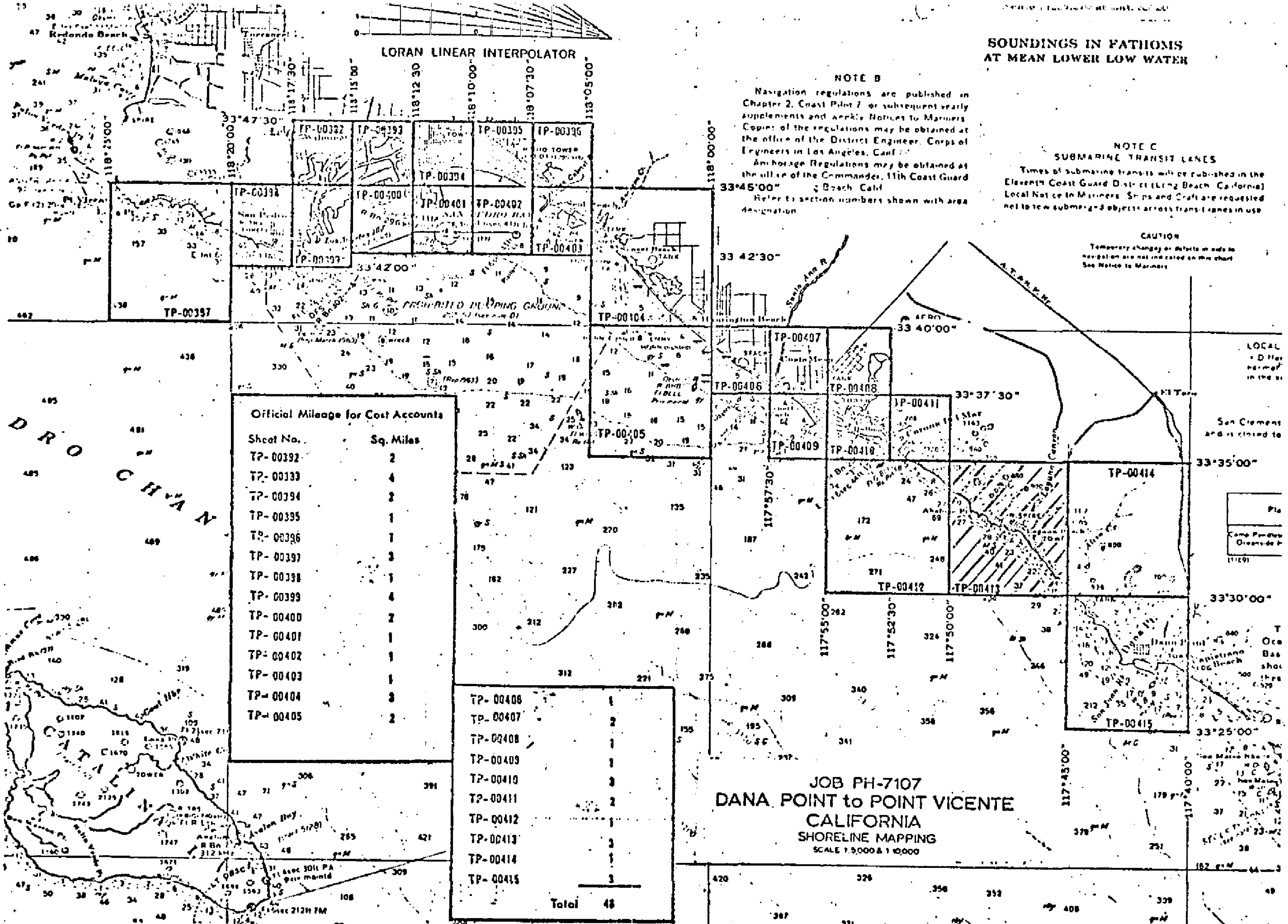
1. [XX] BRIDGING PHOTOGRAPHS; [X] DUPLICATE BRIDGING REPORT; [XX] COMPUTER READOUTS.
2. [X] CONTROL STATION IDENTIFICATION CARDS; [XX] FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. [XX] SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:

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 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



Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00392	2
TP-00393	4
TP-00394	2
TP-00395	1
TP-00396	1
TP-00397	3
TP-00398	1
TP-00399	4
TP-00400	2
TP-00401	1
TP-00402	1
TP-00403	1
TP-00404	3
TP-00405	2
TP-00406	1
TP-00407	2
TP-00408	1
TP-00409	1
TP-00410	3
TP-00411	2
TP-00412	1
TP-00413	3
TP-00414	1
TP-00415	3
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.

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
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.

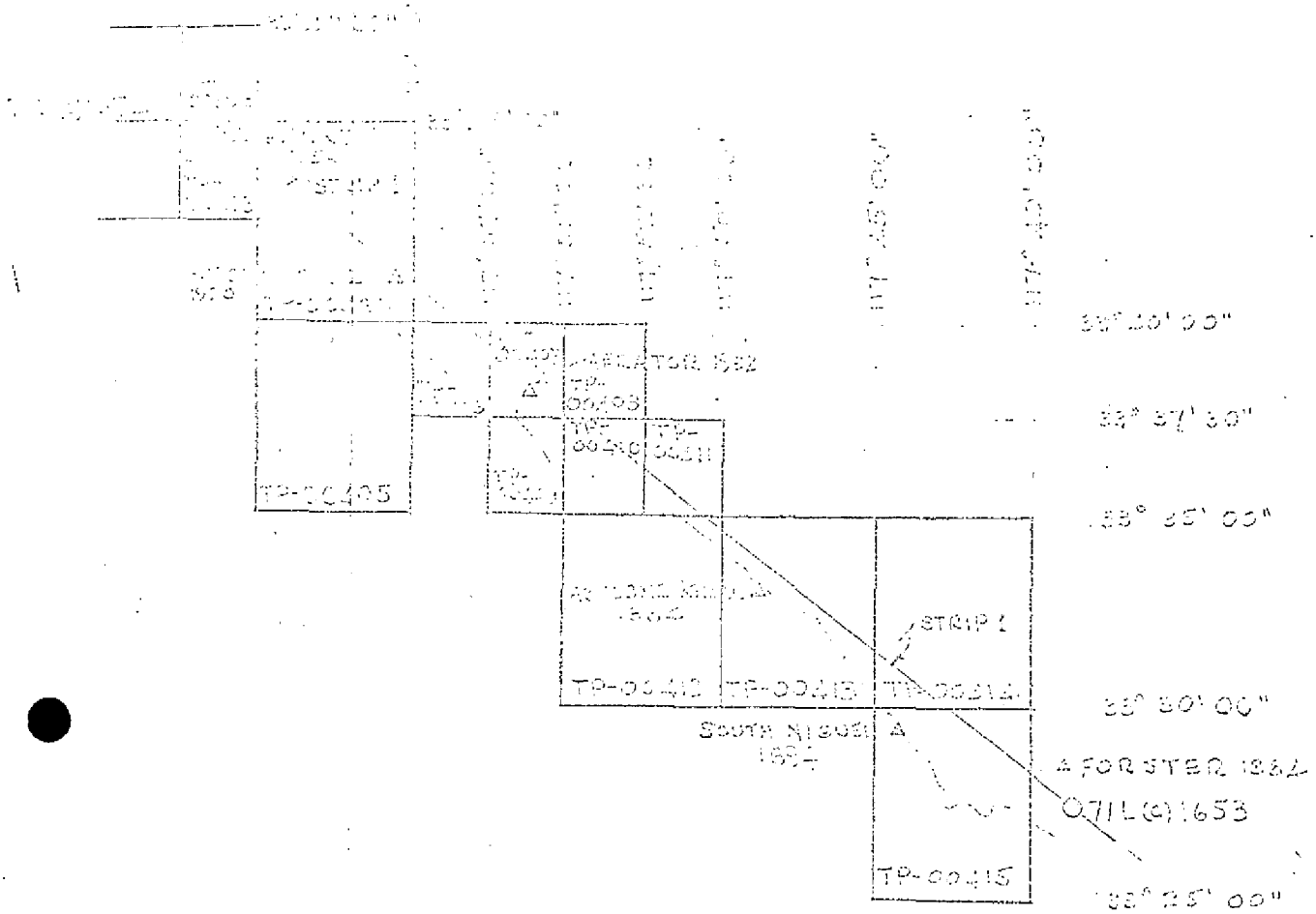
Submitted by:

Donald M. Brant

Approved by:

Henry E. Eichert, Chief
Aerotriangulation Section

Sketch #1 8c



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

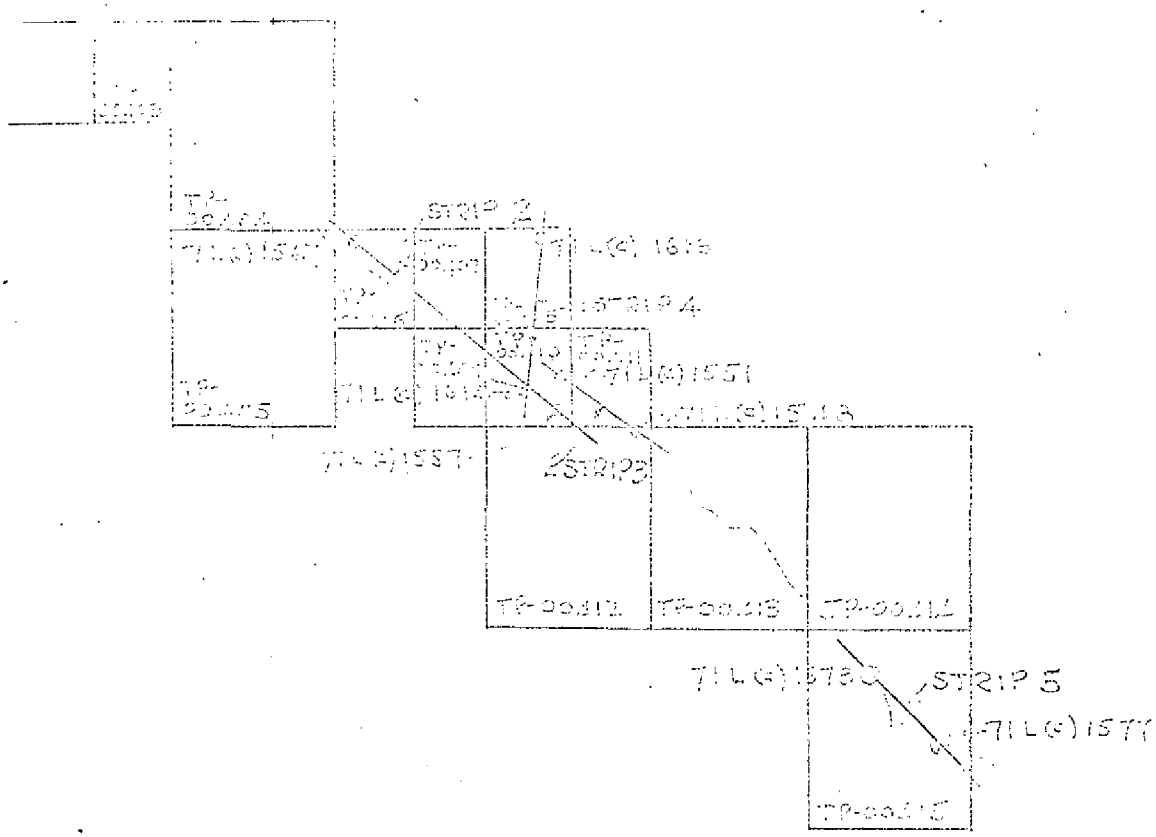
JOB P11 - 7107

DANA POINT TO POINT VICENTE

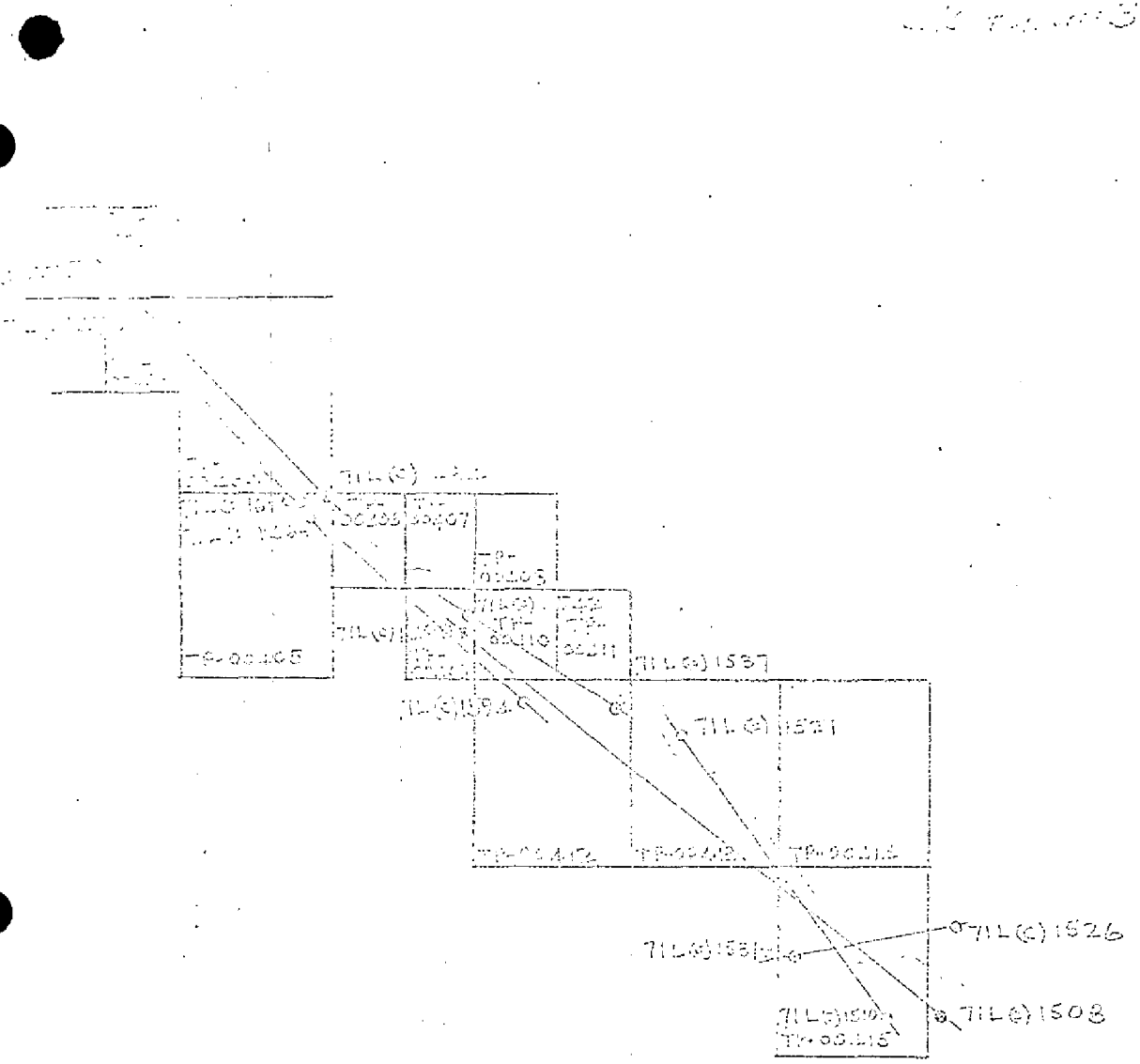
CALIFORNIA

SHORELINE MAPPING

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



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



○ 1:12,000 SCALE HYDRO GRAPHIC PHOTOGRAPH
● 1:20,000 SCALE HYDROGRAPHIC PHOTOGRAPH

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-00413	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
MUSTARD 2, 1933	331174 1083		x=	φ 33 34 49.861	1536.2	312.3
			y=	λ 117 49 46.622	1202.3	345.1
REEF HILL, 1884	331174 1104		x=	φ 33 34 33.560	1034.0	814.5
			y=	λ 117 49 32.096	827.8	719.6
ABALONE KNOLL, 1884	331174 1001		x=	φ 33 33 22.471	692.3	1156.2
			y=	λ 117 49 02.200	56.7	1491.0
ABALONE POINT, 1884	331174 1001		x=	φ 33 33 14.032	432.3	1416.2
			y=	λ 117 49 06.934	178.9	1368.8
RECREATION POINT 2, 1933	331174 1103		x=	φ 33 32 35.047	1079.8	768.7
			y=	λ 117 47 29.088	750.4	797.5
LAGUNA BEACH, CATHOLIC CHURCH TOWER CROSS, 1933	331174 1175		x=	φ 33 32 16.514	508.8	1339.7
			y=	λ 117 46 15.157	391.1	1157.0
LARGE ROCK OFF RECREATION POINT, 1933	331174 1181		x=	φ 33 32 30.549	941.2	907.3
			y=	λ 117 47 28.243	728.6	819.3
LAGUNA BEACH, SPANISH TYPE HOUSE, CHIMNEY, 1933	331174 1179		x=	φ 33 32 29.004	893.6	954.9
			y=	λ 117 46 08.859	228.6	1319.4
LAGUNA BEACH, HOTEL CASA DEL CAMINO, TRAP DOOR, 1933	331174 1177		x=	φ 33 31 56.589	1743.5	105.0
			y=	λ 117 46 30.954	798.7	749.4
CLOSE, 1933	331174 1038		x=	φ 33 32 03.241	99.9	1748.6
			y=	λ 117 45 12.694	327.5	1220.6

COMPUTED BY	DATE	COMPUTATION CHECKED BY	DATE
A. C. RAuck, Jr.	12/2/71	F. P. Margiotta	12/13/71
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.

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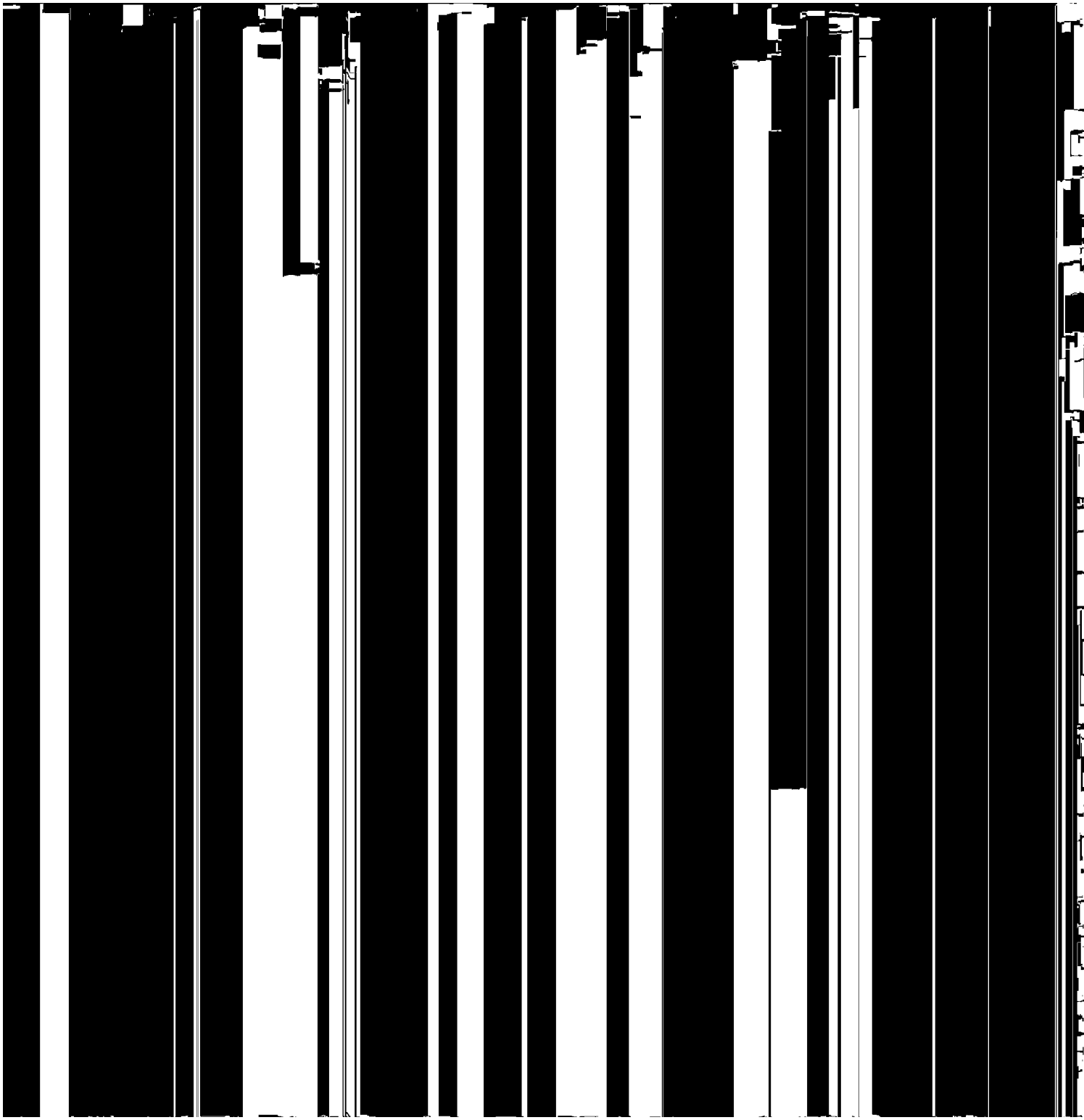

U.S. DEPARTMENT OF COMMERCE
OCEANIC AND ATMOSPHERIC ADMINISTRATION

ORIGINATING ACTIVITY Coastal Mapping Division, Norfolk, Va.

TION TUDE TUDE	REMARKS FORWARD	BACK
5.416	1091.1	757.4
9.529	1020.0	528.2
7.159	528.6	1319.9
9.450	501.9	1046.4
4.187	437.1	1411.4
9.273	1271.5	276.8
0.524	632.3	1216.2
3.168	1372.0	176.3
2.666	82.1	1766.4
8.799	1517.1	31.0
1.095	1574.1	274.4
4.785	897.7	650.5
3.606	1343.4	505.1
2.545	323.8	1224.7
	DATE 12/13/71	
	DATE	
	DATE	

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COMPILATION REPORT

TP-00413

31. DELINEATION:

The Wild B-8 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 was from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line, mean low water line and all foreshore area details were delineated from office interpretation of the photographs.

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.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

Comparison was made with USGS Quadrangle LAGUNA BEACH, CALIF., scale 1:24,000, dated 1965.

47. COMPARISON WITH NAUTICAL CHARTS:

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:

[redacted]

December 14, 1971

ADDENDUM TO COMPILATION REPORT

TP-00413

FIELD EDIT

Field edit was adequate. A conscientious effort was made to answer all questions fully and accurately. The 35 mm prints taken from shoreline view were of great benefit in that they gave the compiler a close up view of shoreline features he would not otherwise have had. However, the field editor failed to submit any Form 76-40's. Also, none were forwarded to him from the photogrammetric office.

There are three landmarks within the limits of this survey. The existence of but one was verified by the field editor. Still no statement was given as to the fittness of the object as a landmark.

June 16, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00413

Abalone Point
Aliso Beach
Aliso Creek
Aliso Point
Arch Beach
Cactus Point
Cheneys Point
Crescent Bay
Emerald Bay (locality)
Goff Island
Gulf of Santa Catalina
Halfway Rock
Laguna Beach (locality)
Pacific Ocean
Recreation Point
Reef Point
Sugarloaf Point
Twin Points
Two Rock Point
Victoria Beach
Woods Cove

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 - 00413

12

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

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
LLG	LLG	NA

8. BENCH MARKS	9. PLOTTING OF SEXTANT FIXES	10. PHOTOGRAMMETRIC PLOT REPORT	11. DETAIL POINTS
NA	NA	ROCKVILLE SCIENCE CENTER	LLG

ALONGSHORE AREAS *(Nautical Chart Data)*

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

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

PHYSICAL FEATURES

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

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

CULTURAL FEATURES

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

BOUNDARIES

31. BOUNDARY LINES	32. PUBLIC LAND LINES
NA	NA

[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-00413

LAGUNA BEACH, CALIFORNIA

OCTOBER 1974

Field edit of map TP-00413 was done by Ltjg Andrew Snella and Lcdr Joseph Sowers during October 1974. Field inspection was done at low and high water in small boats and by vehicle.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. Photogrammetric techniques were used for locatin of rocks, reefs and foul areas. All times are based on GMT.

ADEQUACY OF COMPILATION

Compilation of this map is good. The hydrography that was run in this area agrees well with the photogrammetric compilation. A station plotted on the manuscript named "JAPANESE TYPE HOUSE TOWER SOUTH OF CACTUS POINT, 1933" was found to have changed architectural style and it is recommended that it be removed from the map. Also there is a Laguna Beach Life Guard tower (permanent type structure) located at 33°31'14.7" N, 117°45'47.4" W which was located in photo 71-L(c)-1519. In 1973 the structure was moved approximately 15 to 20 feet southeast of its plotted position. An architectural drawing "LANDSCAPE PLANTING PLAN, sheet L-17, 9/25/73, scale 1:240' furnished by the city of Laguna Beach is attached. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes and fix information on the ozalid and photographs, and then be accepted as an advanced manuscript.

Respectfully submitted:

Andrew Snella

Andrew M. Snella
LTJG, NOAA

NOAA FORM 76-40 (8-74)
Replaces C&GS Form 567.

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)

☒ TO BE CHARTED
☐ TO BE REVISED
☐ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. A.M.C. Norfolk, Va.	California	Dana Point to Point Vicente	June, 1971

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
411	Ph-7107	TP-00413	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
TOWER	(Laguna Beach, Catholic Church Tower Cross, 1933)	33 32	16.514 508.8	117 46	15.157 391.1	71L(C) 1518 May, 1971	Not field edited.	5142
TOWER		33 32	28.24 870	117 46	55.12 1422	71L(C) 1519 May, 1971	" " "	"
	NOTE: These objects not investigated by field unit. Northerly tower's existence							
	verified, however no statement was made as to the Landmark value of either.							

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

NONFLOATING AIDS OR 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)

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Div. Norfolk, VA	California	Laguna Beach	Jul 1978

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
411	PH-7107	TP-00413	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
NORTH SPIRE	(Laguna Beach Gray Bldg. North Spire, 1933)	33 32.8		117 47.6			No Ldmk. value October, 1974	18746

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RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	Andrew M. Snella, LTJG
POSITIONS DETERMINED AND/OR VERIFIED	Andrew M. Snella, LTJG
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Arnold L. Shands

INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF

(Consult Photogrammetric Instructions No. 64,

OFFICE

I. OFFICE IDENTIFIED AND LOCATED OBJECTS
Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object.
EXAMPLE: 75E(C)6042
8-12-75

FIELD

I. NEW POSITION DETERMINED OR VERIFIED
Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.
EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

FIELD (Cont'd)

B. Photogra
entry of
date of
graph us
EXAMPLE:

II. TRIANGULAT
When a lan
angulation
Rec.' with
EXAMPLE:

III. POSITION V
Enter 'V-V
EXAMPLE:

**PHOTOGRAMMETR
entirely, or
by photogramm

NOAA FORM 76-40 (8-74)

SUPERSEDES NOAA FORM 76-40 (2-71) WHICH IS OBSO
EXISTING STOCK SHOULD BE DESTROYED UPON RECE

☆ U.S. GOVERNME

REVIEW REPORT
TP-00413

SHORELINE

61. GENERAL STATEMENT:

Several lifeguard stations were identified by the field editor. These were not considered to be map features and were not mapped.

The compilation office failed to submit 76-40's to the field editor for the three landmarks which were charted within the limits of the map on Chart 5142, 9th edition. Likewise, no 76-40's were submitted to the compilation office by the field editor. Statements were made on the field edit ozalid however, deleting the North Spire as a landmark and verifying the existence of the westerly one of the two towers. No statement was made about the easterly tower. 76-40's were submitted to the Marine Chart Division recommending deletion of the North Spire and charting of the two towers.

Fix 46 on the ozalid gives the height of the rock as one foot above MHW and also as baring 3 ft. at 2225Z, October 8, 1974. The latter height converts to 3 ft. above MHW using predicted tides. The height is shown at 3 ft. above MHW on the map.

See Summary, page 6 of this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

No comparison was made.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

No comparison was made.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Final Verified Smooth ~~sheets~~ Sheets H-9468 (FA-10-2-74) and H-9469 (FA-10-3-74).

The field editor indicated on the ozalid that the foul area off of Two Rock Point should be extended seaward. This was not done on the Class I Map. The extension was made during final review.

There are no other significant differences.

65. COMPARISON WITH NAUTICAL CHARTS:

The map was compared with Chart 18746, 1:80,000 scale, 17th edition, dated March 19, 1977.

The sewer line charted at the mouth of Aliso Creek is not visible on the photographs. There are no other 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
July 17, 1978

Approved for forwarding:

for Chief, Photogrammetric Branch, AMC

Approved:

[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
			Full Part Before After Verification Review Inspection Signed Via
18746	6-23-80	C James	Drawing No. #35 Exam no corr
		6-25-80 RCS	
18740	6-23-80	C James	Full Part Before After Verification Review Inspection Signed Via
		6-25-80 RCV	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
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