

TP-00404

TP-00404

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. 7107..... Map No. TP-00404.....
Classification No. *Final* Edition No. 1.....
Field Edited Map

LOCALITY

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

19 71 TO 19 75

REGISTRY IN ARCHIVES

DATE

| | | | | | | | |
|--|--|--|--|---|--|--|---|
| NOAA FORM 76-36A (3-72) | | U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN. | | | | | |
| DESCRIPTIVE REPORT - DATA RECORD | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width: 50%;"> SURVEY TP. <u>00404</u> MAP EDITION NO. (1) MAP CLASS Final JOB PH. <u>7101</u> </td> </tr> </table> | | TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | SURVEY TP. <u>00404</u> MAP EDITION NO. (1) MAP CLASS Final JOB PH. <u>7101</u> | | |
| TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | SURVEY TP. <u>00404</u> MAP EDITION NO. (1) MAP CLASS Final JOB PH. <u>7101</u> | | | | | | |
| PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va. | | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;"> LAST PRECEEDING MAP EDITION </td> </tr> <tr> <td style="width: 50%;"> TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED </td> <td style="width: 50%;"> JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table> | | LAST PRECEEDING MAP EDITION | | TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ |
| LAST PRECEEDING MAP EDITION | | | | | | | |
| TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED | JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ | | | | | | |
| OFFICER-IN-CHARGE Jeffrey G. Carlen | | | | | | | |
| I. INSTRUCTIONS DATED | | | | | | | |
| 1. OFFICE | | 2. FIELD | | | | | |
| Aerotriangulation Aug 17, 1971 Compilation Nov 15, 1971 Supplement 1 Oct 9, 1973 Amendment 1 Oct 30, 1973 Amend 1 to Supp 1 Jan 28, 1974 | | Premarking March 1, 1971 Premarking Supplement I Feb. 25, 1972 | | | | | |
| II. DATUMS | | | | | | | |
| 1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN | | OTHER (Specify) | | | | | |
| 2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL | | OTHER (Specify) | | | | | |
| 3. MAP PROJECTION Polyconic | | 4. GRID(S) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE California</td> <td style="width: 50%;">ZONE 6</td> </tr> </table> | | STATE California | ZONE 6 | | |
| STATE California | ZONE 6 | | | | | | |
| 5. SCALE 1:10,000 | | STATE ZONE | | | | | |
| III. HISTORY OF OFFICE OPERATIONS | | | | | | | |
| OPERATIONS | | NAME | DATE | | | | |
| 1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY | | D. Brant | Nov 1971 | | | | |
| 2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY | | D. Phillips D. Phillips | Oct 1971 Oct 1971 | | | | |
| 3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY | | R. White A. L. Shands NA NA | Dec 1971 Dec 1971 | | | | |
| 4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: Smooth drafted SCALE: 1:10,000 CONTOURS BY CHECKED BY HYDRO SUPPORT DATA BY CHECKED BY | | T. J. Bulfer C. E. Blood NA NA T. J. Bulfer C. E. Blood | Jan 1972 Jan 1972 Jan 1972 Jan 1972 | | | | |
| 5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY | | C. E. Blood | Jan 1972 | | | | |
| 6. APPLICATION OF FIELD EDIT DATA BY | | I. K. Perkinson | Jul 1975 | | | | |
| 7. COMPILATION SECTION REVIEW BY | | A. L. Shands | Nov 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 | | | | |

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

| | | | | | |
|--|--------|---|----------|--------------------|--|
| CAMERA(S) Wild RC-8 "L" | | TYPES OF PHOTOGRAPHY LEGEND | | TIME REFERENCE | |
| TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY | | (C) COLOR (P) PANCHROMATIC (I) INFRARED | | ZONE Pacific | <input checked="" type="checkbox"/> STANDARD |
| | | | | MERIDIAN 120th | <input type="checkbox"/> DAYLIGHT |
| NUMBER AND TYPE | DATE | TIME | SCALE | STAGE OF TIDE | |
| *71L(I) 2227-2231 | 3/7/71 | 15:10 | 1:15,000 | + 0.2 ft. of MLLW | |
| 71L(C) 1469-1472 | 3/5/71 | 09:48 | 1:10,000 | 0.7 ft. above MLLW | |
| 71L(C) 1478-1482 | 3/5/71 | 10:05 | 1:10,000 | 0.5 ft. above MLLW | |

REMARKS

* Tide coordinated photography

2. SOURCE OF MEAN HIGH-WATER LINE:

The MHWL was compiled from the above listed photography.

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

*The MLLWL was compiled from the tide coordinated 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 |
|-----------|-----------|----------|----------|
| No survey | No survey | TP-00405 | TP-00403 |
| REMARKS | | | |

TP-00404

HISTORY OF FIELD OPERATIONS

I. ☒ 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/Mar '71 |
| 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 <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY None | |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY NA | |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

None

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|-------------------|--------------|---------------------|
| 71L 1699 | RESERVOIR 2, 1920 | | |

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
| | | | |

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

1-form 152

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

| OPERATION | NAME | DATE |
|-------------------------------------|---|----------|
| 1. CHIEF OF FIELD PARTY | CDR R. E. Alderman | Apr 1975 |
| 2. HORIZONTAL CONTROL | RECOVERED BY FAIRWEATHER personnel | Apr 1975 |
| | 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 FAIRWEATHER personnel | Apr 1975 |
| | LOCATED (Field Methods) BY FAIRWEATHER personnel | Apr 1975 |
| | IDENTIFIED BY None | |
| 5. GEOGRAPHIC NAMES INVESTIGATION | TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <input checked="" type="checkbox"/> NO INVESTIGATION | |
| 6. PHOTO INSPECTION | CLARIFICATION OF DETAILS BY LCDR J. A. Sowers | Apr 1975 |
| 7. BOUNDARIES AND LIMITS | SURVEYED OR IDENTIFIED BY NA | |

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

| PHOTO NUMBER | STATION NAME | PHOTO NUMBER | STATION DESIGNATION |
|--------------|--------------|--------------|---------------------|
| | | | |

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

| PHOTO NUMBER | OBJECT NAME | PHOTO NUMBER | OBJECT NAME |
|--------------|-------------|--------------|-------------|
| | | | |

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

Cables and pipelines-Signal and Union Oil Co.

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

Map TP-00404 (Field Edit copy); and Field Edit Report, OPR-411-FA-75,
Map TP-00404

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

TP-00404

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 | Jan 10, 1972 | Class III manuscript | None | 2/3/72 |
| Field Edit applied. Compilation complete. | Jul 25, 1975 | Class I | 6/7/76 | |
| Final Review | Aug 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 | Landmark to be charted |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: May 24, 19763. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

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

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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

| | | | |
|----------------|---------------------------------|--------------------------|---|
| SECOND EDITION | SURVEY NUMBER TP - _____ (2) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| THIRD EDITION | SURVEY NUMBER TP - _____ (3) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |
| FOURTH EDITION | SURVEY NUMBER TP - _____ (4) | JOB NUMBER PH - _____ | TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL |
| | DATE OF PHOTOGRAPHY | DATE OF FIELD EDIT | |

SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

NOTE B

Navigation regulations are published in Chapter 2, Coast Pilot 7 or subsequent yearly supplements and Aids 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 District, San Diego, Calif. Refer to section numbers shown with area designation.

NOTE C

Times of submarine transits will be published in the Eureka Coast Guard District (Landing Beach, California) Local Notice to Mariners. Seaplane Craft are requested not to use submerged objects as transit lines in use.

CAUTION
Temporary changes or additions to the chart are noted and listed on this sheet
See Notice to Mariners

LOCAL
1:0 The
measured
in the
San Clement
and is closed to

PL
Coast Range
Quadrangle
(1:10)

JOB PH-7107
DANA POINT TO POINT VICENTE
CALIFORNIA
SHORELINE MAPPING
SCALE 1:50,000 & 1:100,000

Official Mileage for Cost Accounts

| Sheet No. | Sq. Miles |
|-----------|-----------|
| TP-00332 | 2 |
| TP-00333 | 4 |
| TP-00334 | 2 |
| TP-00335 | 1 |
| TP-00336 | 1 |
| TP-00337 | 3 |
| TP-00338 | 1 |
| TP-00339 | 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 | 45 |

DRO CHAN

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 scale1:10,000 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.

2

24. Supplemental Data

USGS quadrangles were used to provide vertical control for the adjustment.

25. Photography

The following 1:30,000 scale RC-8 color photography was used in bridging Strip #1:

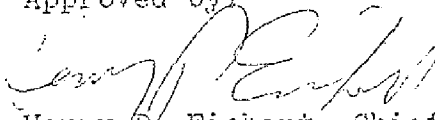
71-L(C)-1653 thru 1674

The definition and quality of photography was adequate.

Submitted by:

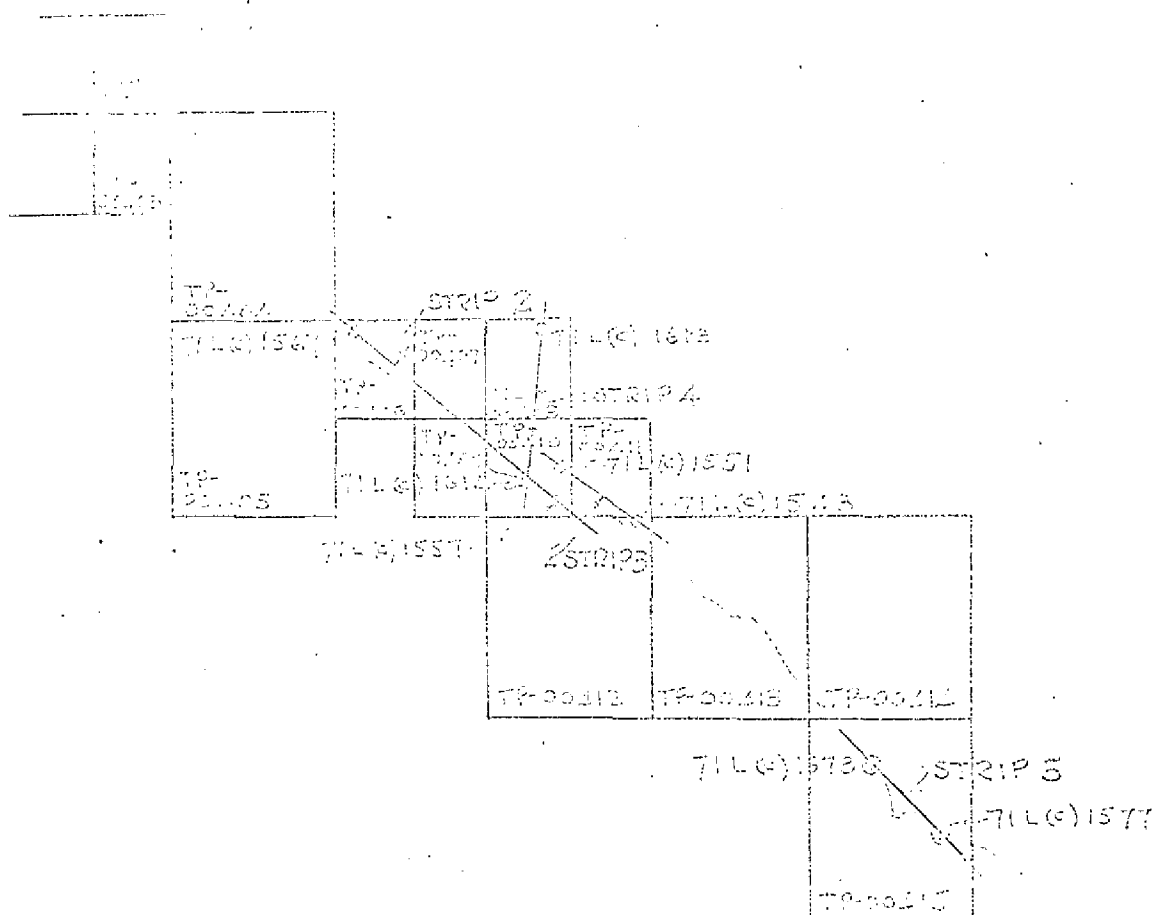

Donald M. Brant

Approved by:

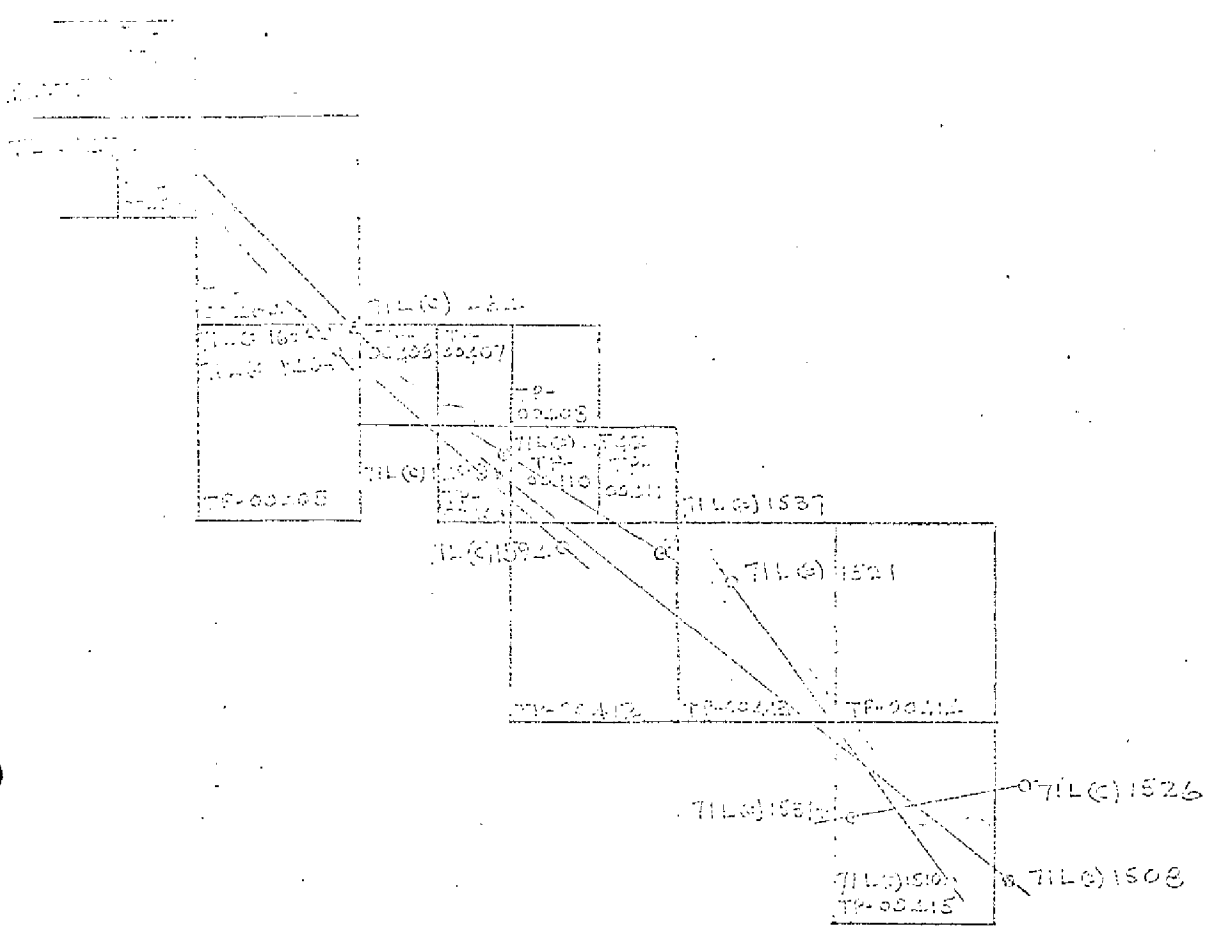

Henry P. Eichert, Chief
Aerotriangulation Section

[illegible]

JOB PH - 7107
DANA POINT TO POINT VICENTE
CALIFORNIA
SHORELINE MAPPING
SCALE 1:10,000 @ 1:5,000



0 1:15,000 PHOTOGRAPHY
 0 1:50,000 PHOTOGRAPHY



0 P.5,000 SCALE HYDROGRAPHIC PHOTOGRAPHY
 0 P.10,000 SCALE HYDROGRAPHIC PHOTOGRAPHY

DESCRIPTIVE REPORT CONTROL RECORD

| MAP NO. | JOB NO. | STATION NAME | SOURCE OF INFORMATION (Index) | AEROTRIANGULATION POINT NUMBER | GEODETIC DATUM | | GEOGRAPHIC POSITION | | ORIGINATING ACTIVITY Coastal Mapping Division, Norfolk, Va. | |
|----------|---------|--|-------------------------------|--------------------------------|----------------|---------|---------------------|----------|---|----------------|
| | | | | | PH-7107 | NA 1927 | COORDINATES IN FEET | STATE | ZONE | φ LATITUDE |
| TP-00404 | | SUNSET BEACH, SUNSET LAND & WATER CO., 1936 | Quad 331181 STA 2089 | | | | φ 33 43 | λ 27.589 | | 850.0 (998.5) |
| | | | | | | | | | | |
| | | SUNSET BEACH, SUNSET LAND AND WATER CO., S.E. WATER TANK, 1936 | Quad 331181 STA 2090 | | | | φ 33 42 | λ 42.344 | | 1009.5 (535.3) |
| | | | | | | | | | | |
| | | SUNSET BEACH, ABANDONED MILITARY WATER TANK, 1956 | Quad 331181 STA 2087 | | | | φ 33 42 | λ 32.874 | | 1012.8 (835.8) |
| | | | | | | | | | | |
| | | | | | | | φ | | | 635.6 (909.4) |
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COMPILATION REPORT

TP-00404

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 delineated from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line and foreshore area 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:

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.~~ 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 Seal Beach, California, scale 1:24,000, dated 1965.

47. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with chart number 5142, scale 1:80,000, 9th edition, dated April 17, 1971.

ITEMS TO TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauck, Jr. for
T. J. Bulfer,
Cartographer
Jan. 10, 1972

Approved:

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

June 16, 1978

11

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00404

Anaheim Bay

Bolsa Bay

Bolsa Chica Channel

East Garden Grove Wintersburg Channel

Hog Island

Huntington Beach (locality)

Huntington Harbour

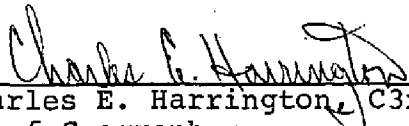
Huntington Harbour (locality)

Pacific Ocean

Sunset Beach (locality)

Surfside

Approved by:


Charles E. Harrington, C3x8
Chief Geographer

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00404

12

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|---|---|--|---|
| 1. PROJECTION AND GRIDS CEB | 2. TITLE CEB | 3. MANUSCRIPT NUMBERS CEB | 4. MANUSCRIPT SIZE CEB |
| CONTROL STATIONS | | | |
| 5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CEB | 6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA | | 7. PHOTO HYDRO STATIONS NA |
| 8. BENCH MARKS NA | 9. PLOTTING OF SEXTANT FIXES NA | 10. PHOTOGRAMMETRIC PLOT REPORT CEB | 11. DETAIL POINTS CEB |
| ALONGSHORE AREAS (Nautical Chart Data) | | | |
| 12. SHORELINE CEB | 13. LOW-WATER LINE CEB | 14. ROCKS, SHOALS, ETC. CEB | 15. BRIDGES |
| 16. AIDS TO NAVIGATION NA | 17. LANDMARKS CEB | 18. OTHER ALONGSHORE PHYSICAL FEATURES CEB | 19. OTHER ALONGSHORE CULTURAL FEATURES CEB |
| PHYSICAL FEATURES | | | |
| 20. WATER FEATURES CEB | 21. NATURAL GROUND COVER NA | | 22. PLANETABLE CONTOURS NA |
| 23. STEREOSCOPIC INSTRUMENT CONTOURS NA | 24. CONTOURS IN GENERAL NA | 25. SPOT ELEVATIONS NA | 26. OTHER PHYSICAL FEATURES NA |
| CULTURAL FEATURES | | | |
| 27. ROADS CEB | 28. BUILDINGS CEB | 29. RAILROADS NA | 30. OTHER CULTURAL FEATURES NA |
| BOUNDARIES | | | |
| 31. BOUNDARY LINES NA | | 32. PUBLIC LAND LINES NA | |
| MISCELLANEOUS | | | |
| 33. GEOGRAPHIC NAMES CEB | 34. JUNCTIONS CEB | | 35. LEGIBILITY OF THE MANUSCRIPT CEB |
| 36. DISCREPANCY OVERLAY CEB | 37. DESCRIPTIVE REPORT CEB | 38. FIELD INSPECTION PHOTOGRAPHS NA | 39. FORMS CEB |
| 40. REVIEWER C. E. Blood C. E. Blood 1/12/71 | | SUPERVISOR, REVIEW SECTION OR UNIT 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 Irene Perkinson 7/25/75 Rev. A. L. Shands 12/75 A. L. Shands | | SUPERVISOR Albert C. Rauck, Jr. A. C. Rauck, Jr. | |
| 43. REMARKS See Forms 76-36C, item 8 of Field Inspection Operations and items 7 and 8 of Field Edit Operations. | | | |

FIELD EDIT REPORT

MAP TP-00404

SUNSET BEACH, CALIFORNIA

APRIL 1975

Field edit of map TP-00404 was done by Lcdr Joseph A. Sowers during April 1975. Field inspection of the area was done at various stages of the tide by skiff and land vehicle.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. Photogrammetric techniques were used for location of features in question. The foreshore area was regular, sandy beach and unfouled, requiring no verification of the existence of rocks, reefs, etc. All times are based on GMT.

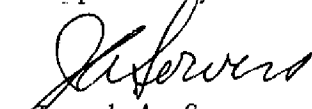
ADEQUACY OF COMPILATION

Compilation of this map is good. Signal and Union Oil company drawings have been attached to the Field Edit Ozalid to aid in location of cables and pipelines. 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:


Joseph A. Sowers
LCDR, NOAA

REVIEW REPORT
TP-00404

SHORELINE

August 12, 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 Sheets H-9475 (FA-5-1-75) and H-9493 (FA-10-2-75).

Two new docking facilities are shown on Smooth Sheet H-9475 south of Bolsa Chica Channel. No data was submitted to the compilation office concerning these. The photography shows that this area and an area south of Huntington Harbour were under construction on the date of photography. Labels were added to the map during Final Review noting this fact.

The Smooth Sheet also indicates the shoreline has been altered at lat. $33^{\circ}43.6'$, long. $118^{\circ}04.7'$. As in the previous instance, no data was submitted by the field editor noting the change.

The wreck shown at lat. $33^{\circ}43.8'$, long. $118^{\circ}04.8'$ is not visible on the photography and is not shown on the map. Its existence was not indicated by the field editor.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18746, 1:80,000 scale, 17th edition, dated March 19, 1977. This currently is the largest scale chart in the area. Its coverage of Huntington Harbour is inadequate. Many small boat facilities and navigational aids in the area are not charted.

The field editor did not submit 76-40 Forms for landmarks and aidson this map. A form was submitted to the Marine Chart Division by the compilation office. Only one of the two landmark tanks on this map was listed. A new form was submitted by Final Review listing both of the landmarks.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

Project instructions were compiled with except that the road patterns shown on the map are incomplete. Bureau Standards and the National Standards of Map Accuracy were met.

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer

Approved for forwarding:

Bill H. Bann

for Chief, Photogrammetric Branch, AMC

Approved:

John D. Perrow Jr
Chief, Photogrammetric Branch

AK DeGordon
Chief, Coastal Mapping Division

TP 00 407

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

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.

USCOMM-DC 8558-P63