NOAA FORM 76-35

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

DESCRIPTIVE REPORT

<table>
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<th>Type of Survey</th>
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<tr>
<td>Job No.</td>
<td>CM-7404</td>
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<tr>
<td>Map No.</td>
<td>TP-00783</td>
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<tr>
<td>Classification No.</td>
<td>FINAL</td>
</tr>
<tr>
<td>Edition No.</td>
<td>1</td>
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<tr>
<td>Field Edited Map</td>
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LOCALITY

| State                   | California                       |
|                        | Point Vicente to Port Hueneme    |
| General Locality       | Point Dume                       |

1974 TO 1976

REGISTRY IN ARCHIVES

DATE

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

187440
187440
## DESCRIPTIVE REPORT - DATA RECORD

**PHOTOGRAMMETRIC OFFICE**

Coastal Mapping Division
Norfolk, Va.

**OFFICER-IN-CHARGE**

Jeffrey G. Carlen, Cdr.

### 1. INSTRUCTIONS DATED

<table>
<thead>
<tr>
<th>1. OFFICE</th>
<th>2. FIELD</th>
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<tr>
<td>Aerotriangulation Nov. 4, 1974</td>
<td>Premarking Jan. 30, 1974</td>
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<tr>
<td>Amendment Mar. 14, 1974</td>
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### II. DATUMS

1. **HORIZONTAL:**
   - X 1927 NORTH AMERICAN

2. **VERTICAL:**
   - MEAN HIGH-WATER
   - MEAN LOW-WATER
   - MEAN LOWER LOW-WATER
   - MEAN SEA LEVEL

3. **MAP PROJECTION**
   - Polyconic

4. **GRID(S)**
   - STATE California
   - ZONE 5 and 7

5. **SCALE**
   - 1:10,000

### III. HISTORY OF OFFICE OPERATIONS

<table>
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<tr>
<th>OPERATIONS</th>
<th>LANDMARKS AND AIDS</th>
<th>B. Thornton</th>
<th>NAME</th>
<th>DATE</th>
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<td>Analytic</td>
<td>R. Robertson</td>
<td>Jan 1975</td>
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<tr>
<td>2. CONTROL AND BRIDGE POINTS METHOD:</td>
<td>Coradomat</td>
<td>R. Robertson</td>
<td>Feb 1975</td>
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<tr>
<td>3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT:</td>
<td>Wild B-8</td>
<td>C. Blood</td>
<td>May 1975</td>
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<tr>
<td></td>
<td></td>
<td>A. C. Rauck, Jr.</td>
<td>May 1975</td>
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<td>Charles Parker</td>
<td>May 1975</td>
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<td></td>
<td></td>
<td>F. Margiotta</td>
<td>Jun 1975</td>
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<td>Charles Parker</td>
<td>May 1975</td>
<td></td>
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<td>6. APPLICATION OF FIELD EDIT DATA</td>
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<td>F. Margiotta</td>
<td>Jun 1975</td>
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<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td></td>
<td>A. L. Shands</td>
<td>Jul 1976</td>
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<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
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<td>A. L. Shands</td>
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<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
<td></td>
<td>F. R. Watts</td>
<td>Jul 1979</td>
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<td></td>
<td></td>
<td>E. L. Daugherty</td>
<td>Dec 1979</td>
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1. COMPILATION PHOTOGRAPHY

CAMERA(S)
Wild RC-8"L"

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

<table>
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<tr>
<th>NUMBER AND TYPE</th>
<th>DATE</th>
<th>TIME</th>
<th>SCALE</th>
<th>STAGE OF TIDE</th>
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<td>*74L(C)</td>
<td>1047-1048</td>
<td>3/4/74</td>
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<td>1:30,000 0.5 ft. below MLLW</td>
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<tr>
<td>*74L(C)</td>
<td>1033-1035</td>
<td>3/4/74</td>
<td>11:03</td>
<td>1:30,000 0.2 ft. of MLLW</td>
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<tr>
<td>**74L(I)</td>
<td>2218-2221</td>
<td>4/5/74</td>
<td>08:59</td>
<td>1:30,000 +0.2 ft. of MHW</td>
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<td>**74L(I)</td>
<td>2224-2225</td>
<td>4/5/74</td>
<td>09:05</td>
<td>1:30,000 +0.2 ft. of MHW</td>
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<td>**74L(I)</td>
<td>1580-1583</td>
<td>3/21/74</td>
<td>14:38</td>
<td>1:30,000 +0.2 ft. of MLLW</td>
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<td>3/21/74</td>
<td>14:55</td>
<td>1:30,000 +0.2 ft. of MLLW</td>
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REMARKS
*Bridge and compilation photography (predicted tides)
**Tide coordinated photography at MHW and MLLW

2. SOURCE OF MEAN HIGH-WATER LINE:

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

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

The mean lower low water line was compiled graphically from the above listed 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

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<th>SOUTH</th>
<th>WEST</th>
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<td>TP-00784</td>
<td>No survey</td>
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REMARKS

NOAA FORM 75-36B

U.S. GOVERNMENT PRINTING OFFICE: 1974-768-078
### HISTORY OF FIELD OPERATIONS

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<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
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<td>CHIEF OF FIELD PARTY</td>
<td>R. Melby</td>
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<td>HORIZONTAL CONTROL</td>
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<td>VERTICAL CONTROL</td>
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<td>LANDMARKS AND AIDS TO NAVIGATION</td>
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#### II. SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**
   - PHOTO NUMBER: 741(C)1034
   - STATION NAME: BIRD, 1951

#### III. GEOPHYSICAL NAMES
- **INVESTIGATION**
  - [ ] COMPLETE
  - [ ] SPECIFIC NAMES ONLY
  - [x] NO INVESTIGATION

#### IV. PHOTO INSPECTION
- CLARIFICATION OF DETAILS: None

#### V. BOUNDARIES AND LIMITS
- SURVEYED OR IDENTIFIED: None

#### VI. SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**
   - PHOTO NUMBER: 741(C)1034
   - STATION NAME: BIRD, 1951

2. **VERTICAL CONTROL IDENTIFIED**
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#### VII. LANDMARKS AND AIDS TO NAVIGATION
- IDENTIFIED: None

#### VIII. PHOTO NUMBERS (Clarification of details)
- None

#### IX. SUPPLEMENTAL MAPS AND PLANS
- None

#### X. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list date submitted to the Geodesy Division)
- l-form 152
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**I. MANUSCRIPT COPIES**

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<th>Marine Charts</th>
<th>Hydro Support</th>
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<td>Compilation complete pending field edit</td>
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<td>2/10/76</td>
<td>8/4/75</td>
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<td>Field edit applied. Compilation complete</td>
<td>7/76</td>
<td>Class I manuscript</td>
<td>8/20/76</td>
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<td>Apr 1979</td>
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**II. LANDMARKS AND AIDS TO NAVIGATION**

1. **REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH**

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<td>1</td>
<td></td>
<td>8/23/76</td>
<td>1 Aid for charts</td>
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2. □ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: Aug. 23, 1976

3. □ 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. SUBMITTED BY FIELD PARTIES.
3. □ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

**IV. SURVEY EDITIONS**

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NOAA FORM 76-36D
SUMMARY TO ACCOMPANY

TP-00777 through TP-00792

Maps included in this summary comprise all of project CM-7404, Point Vicente to Port Hueneme, California. All but three of the sixteen maps in this project are 1:10,000 scale. The others, TP-00778, TP-00789 and TP-00791 are each 1:5,000 scale. All are standard shoreline maps, the purpose of which is to provide up-to-date shoreline and alongshore delineation for contemporary hydrographic surveys and for nautical chart construction.

The project area is immediately northwest of the city of Los Angeles. The shoreline is a mixture of wide, smooth, sandy beach and rough, rocky cliff areas.

Field operations prior to delineation did not include clearification of photographic details. They were limited to the recovery and identification of horizontal control and providing ground support needed to obtain tide coordinated photography.

Three sets of photographs were supplied and used for the delineation of each map. Natural color photographs were used for bridging and instrument compilation. Tide coordinated, black and white infrared photographs were used to graphically compile the mean high water line and mean lower low water line. The 1:5,000 scale maps were compiled with 1:15,000 scale photographs. The 1:10,000 scale maps were compiled with 1:30,000 scale photographs.

Bridging was done at the Washington Science Center in January 1975. Ratios were determined and ordered at that time. All maps were compiled at the Atlantic Marine Center in the Spring of 1975.

Field edit was performed in three parts. Maps TP-00785 through TP-00792 were edited in the fall of 1975. The location of some offshore features was not completed until the spring of 1976. At that time Maps TP-00781 through TP-00784 were edited. Maps TP-00777 through TP-00780 were edited in the fall of 1976. All edit was applied at the AMC.

Final Review was performed at the Atlantic Marine Center in the Winter of 1979. The original base maps and all pertinent data was forwarded to the Washington Science Center for reproduction and final registration.
FIELD INSPECTION
TP-00783

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation and ground support for the tide coordinated infrared photography.
21. Area Covered

The area covered by this report is the southwest coast of California from Point Vicente to Port Hueneme. This area is covered by thirteen 1:10,000-scale sheets, TP-00777 thru TP-00792, with the exception of sheets TP-00778, 789, and 791, which are at a scale of 1:5,000.

22. Method

Five strips of 1:30,000-scale color photography were bridged by analytic aerotriangulation methods. The five strips of bridging photography were controlled by field-identified control including some control from previous airport surveys which were used as checks.

Common points were located on the bridging photography and the tide-controlled IR for ratio purposes. In addition, common points were located on the bridging and compilation photography. The points read on the bridging strips are more than adequate for compilation purposes. Tie points were used in all five strips to insure an adequate junction of all strips during the strip adjustments.

23. Adequacy of Control

Control checked well within map accuracy standards and is more than sufficient for intended use. The results from the 1:30,000 bridging photography were adequate enough so as to not make it necessary to bridge the 1:15,000 compilation photography. See attached sheet for accuracy of control in strip adjustment.

24. Supplemental Data

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

25. Photography

The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by,

Approved and Forwarded: Brian F. Thornton

John D. Perrov, Jr.
Chief, Aerotriangulation Section

Attachment
-1st and Accuracy of Control Used in Strip Adjustment

<table>
<thead>
<tr>
<th>Strip</th>
<th>X-Error</th>
<th>Y-Error</th>
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<td></td>
<td>11114</td>
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<td>11801</td>
<td>1.078</td>
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PORT HUENEME, CALIFORNIA

JOB CM-7404

POINT VICEITE TO
JOB CM-7404

POINT VICTENYE TO PORT HUENEME, CALIFORNIA

MHW 1:15,000
74-L 1873-1879
1860-1867
1851-1857
1840-1849

MLLW 1:15,000
74-L 1666-1672
1659-1664
1648-1657
1641-1646
JOB CM-7404
POINT VICENTE TO PORT HUENEME, CALIFORNIA
## TP-00783
### DESCRIPTIVE REPORT CONTROL RECORD

**Source of Information**: Quad

<table>
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<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
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</thead>
<tbody>
<tr>
<td>BIRD, 1951</td>
<td>Quad</td>
<td>341183 1030</td>
<td>x=</td>
<td>φ 34 00 30.372</td>
<td>935.8 (912.9)</td>
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<tr>
<td>POINT DUME OIL</td>
<td>Quad</td>
<td>341183 1069</td>
<td>y=</td>
<td>λ 118 48 46.295</td>
<td>1187.9 (351.8)</td>
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<tr>
<td>DERRICK, 1927</td>
<td></td>
<td></td>
<td>x=</td>
<td>φ 34 00 21.51</td>
<td>662.7 (1186.0)</td>
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</table>

**Computed by**: A. C. Rauck, Jr.  
**Listed by**: D. Butler  
**Hand Plotting by**

**Date**: 2/25/75  
**Computation Checked by**: D. Butler  
**Listing Checked by**:  
**Hand Plotting Checked by**:  

---

**NOTE**: This form supersedes NOAA Form 76-41, 2-71 Edition which is obsolete.
31. **DELINEATION:**

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 color photography. Points were selected on the tide coordinated photography to delineate the MHWL and MLLWL. Control was adequate.

32. **CONTROL:**


33. **SUPPLEMENTAL DATA:**

None.

34. **CONTOURS AND DRAINAGE:**

Contours are not applicable to the project. Drainage was delineated by office interpretation of the photographs.

35. **SHORELINE AND ALONGSHORE DETAILS:**

Alongshore details were delineated by office interpretation of the photographs.

The mean high water line and mean lower low water line were compiled graphically from the tide coordinated infrared ratioed photographs.

36. **OFFSHORE DETAILS:**

Photography is of sufficient scale a quality to allow the delineation of several offshore rocks and kelp areas.
37. **LANDMARKS AND AIDS:**

Work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion of landmarks and aids in the area.

38. **CONTROL FOR FUTURE SURVEYS:**

None.

39. **JUNCTIONS:**

See Form 76-36B, item #5 concerning junctions.

40. **HORIZONTAL AND VERTICAL ACCURACY:**

No statement.

46. **COMPARISON WITH EXISTING MAPS:**

A comparison has been made with USGS Quadrangle Point Dume, California, dated 1950, scale 1:24,000

47. **COMPARISON WITH NAUTICAL CHARTS:**

A comparison has been made with National Ocean Survey Chart 18740, 19th edition, dated Sept. 28, 1974, scale 1:234,270

**ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:**

None.

**ITEMS TO BE CARRIED FORWARD:**

None.

Submitted by:

[Signature]

Charles Parker
Cartographic Aid
May 17, 1975

Approved:

[Signature]
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section
December 20, 1978

GEOGRAPHIC NAMES
FINAL NAME SHEET
CM-7404 (Point Vicente to Port Hueneme, California)

TP-00783

' Dume Cove
' Escondido Beach
' Escondido Canyon
' Malibu Riviera
' Pacific Ocean
' Paradise Cove

' Point Dume
' Santa Monica Bay
' Walnut Canyon
' Westward Beach
' Zuma Canyon

Approved by:

Charles E. Harrington, C3x8
Chief Geographer
PHOTOGRAMMETRIC OFFICE REVIEW
TP -00783

1. PROJECTION AND GRIDS
   FM

2. TITLE
   FM

3. MANUSCRIPT NUMBERS
   FM

4. MANUSCRIPT SIZE
   FM

5. HORIZONTAL CONTROL STATIONS OF
   THIRD-ORDER OR HIGHER ACCURACY
   FM

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
    FM

11. DETAIL POINTS
    FM

ALONGSHORE AREAS (Nautical Chart Data)

12. SHORELINE
    FM

13. LOW-WATER LINE
    FM

14. ROCKS, SHOALS, ETC.
    FM

15. BRIDGES
    FM

16. AIDS TO NAVIGATION
    FM

17. LANDMARKS
    FM

18. OTHER ALONGSHORE
    PHYSICAL FEATURES
    FM

19. OTHER ALONGSHORE
    CULTURAL FEATURES
    FM

PHYSICAL FEATURES

20. WATER FEATURES
    FM

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
    FM

CULTURAL FEATURES

27. ROADS
    FM

28. BUILDINGS
    FM

29. RAILROADS
    FM

30. OTHER CULTURAL
    FEATURES
    FM

BOUNDARIES

31. BOUNDARY LINES
    NA

32. PUBLIC LAND LINES
    NA

MISCELLANEOUS

33. GEOGRAPHIC NAMES
    FM

34. JUNCTIONS
    FM

35. LEGIBILITY OF THE
    MANUSCRIPT
    FM

36. DISCREPANCY OVERLAY
    FM

37. DESCRIPTIVE REPORT
    FM

38. FIELD INSPECTION
    PHOTOGRAPHS
    FM

39. FORMS
    FM

40. REVIEWER
    Frank Mangiotta
    6/75

41. REMARKS (See attached sheet)
    Field edit source data is listed on Form 76-36C (field edit copy

42. ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT
    The manuscript is now complete except as noted under item 43.

43. REMARKS

A. L. Shands
7/28/76

L. O. Neter Jr.
8/13/76

A. C. Rauck, Jr.
FIELD EDIT REPORT

MAP TP-00783

POINT DUME

MARCH-APRIL 1976

Field edit of map TP-00783 was completed by LTJG G.P. Kosinski and ENS S.L. Poole during March and April, 1976. Field inspection of the area was done at various stages of the tide by land vehicle and skiff.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. The foreshore ranged from sandy beach in some areas, to expanses of boulders and ledge. Much of the offshore area is foul, as indicated on the film ozalid by the field editor. Bluffs were examined from sea; those that are indicated on the ozalid by the compiler are all of landmark value. Four detached positions were taken along a reef about 2/3 mile east of Point Dume. All were visually-controlled, employing signals built over existing triangulation stations or using Pepperdine University Monument, scaled from ozalid TP-00784. A check angle was taken for the three submerged rocks; control was not adequate to provide a check angle on the reef awash. For positions of these hazards to navigation, refer to the following Table of Field Edit Fixes. The privately-maintained fog signal at the end of the Paradise Cove Pier was located by taping the distance from the seaward corners of the pier to the horn. The position of the signal is listed on form 76-40, attached. Forms 526 are submitted for TRESTLE 1933, BIRD 1951, POINT DUME RESET 1947, and POINT DUME OIL DERRICK 1927. The kelp line as delineated was determined by hydrographic survey launches that either terminated sounding lines at the kelp zone or ran sounding lines along the seaward limit.

ADEQUACY OF COMPILATION

Compilation of this map is generally good. Some foreshore areas were erroneously depicted as ledge and have been corrected. The delineation of the ledge in some areas was incorrect as compiled; this too has been corrected.

RECOMMENDATIONS

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

Respectfully submitted:

[Signature]

Gregory P. Kosinski, LTJG, NOAA
<table>
<thead>
<tr>
<th>Fix Number</th>
<th>Object</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>86-01</td>
<td>Rock Submerged</td>
<td>34°00'18.930&quot;N 118°47'26.911&quot;W</td>
</tr>
<tr>
<td></td>
<td>6 ft at 2150Z</td>
<td></td>
</tr>
<tr>
<td>86-02</td>
<td>Rock Submerged</td>
<td>34°00'19.754&quot;N 118°47'28.073&quot;W</td>
</tr>
<tr>
<td></td>
<td>7 ft at 2135Z</td>
<td></td>
</tr>
<tr>
<td>86-03</td>
<td>Rock Submerged</td>
<td>34°00'20.187&quot;N 118°47'28.987&quot;W</td>
</tr>
<tr>
<td></td>
<td>6 ft at 2145Z</td>
<td></td>
</tr>
<tr>
<td>98-01</td>
<td>Center of Reef</td>
<td>34°00'21.34&quot;N 118°47'31.66&quot;W</td>
</tr>
<tr>
<td></td>
<td>Awash at 1850Z</td>
<td></td>
</tr>
<tr>
<td>CHARTING NAME</td>
<td>DESCRIPTION</td>
<td>LATITUDE</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>HORN</td>
<td>For signal (privately maintained)</td>
<td>34 01</td>
</tr>
</tbody>
</table>
by photogrammetric methods.

**PHOTOGRAMMETRIC FIELD POSITIONS ARE DETERMINED BY FIELD OBSERVER**

**ILLUSTRATION:**

- **Example:** V-16S.
- **Enter V-16S** and date.

1. **POSITION VERIFIED VISUALLY ON PHOTOGRAPHY**

   **Example:** V-16S.

   - **Enter V-16S** and date.
   - **Verify** with date of recovery.
   - **Annotation** station is located, enter 'V-16S' when a landmark or object which is also a V-16S

2. **TRIANGULATION STATION RECOVERED**

   **Example:** P-8-V.

   - **Verify** with date of recovery.
   - **Identify** the object, number of location of verification.

**REPRESENTATIVE OR REVIEWER**

**ACTIVITIES AND REVIEW GROUP AND FINAL REVIEW**

- **A. L. Shepards**
- **C. P. Konstant & S. L. Poole**
- **R. F. Adelman**

**OBSESSIONS VERIFIED**

**OBJECTS INSPECTED FROM EXAMINATION**

**INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION**

<table>
<thead>
<tr>
<th>REPRESENTATIVE OR REVIEWER</th>
<th>ACTIVITIES</th>
<th>REVIEW GROUP AND FINAL REVIEW</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Activity Representative</td>
<td>A. L. Shepards</td>
<td>C. P. Konstant &amp; S. L. Poole</td>
</tr>
<tr>
<td>Field Activity Representative</td>
<td>R. F. Adelman</td>
<td></td>
</tr>
</tbody>
</table>
GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with a copy of Final Verified Smooth Sheet H-9599 (FA-10-4-76). There are no significant differences.

COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18744, 1:40,000 scale, 22nd edition, dated May 6, 1978. There are no significant differences.

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

Approved for forwarding

Albert C. Ramey, Jr.
Chief, Photogrammetric Branch, AMC

Approved

John D. Derrau, Jr.
Chief, Photogrammetric Branch

Chief, Coastal Mapping Division
PROJECT CM-7404 MATERIALS ON FILE

FEDERAL RECORDS CENTER

Control Station Identification Cards
Field Edit Photographs
Bridging Photographs
Job Completion Report

BUREAU ARCHIVES

Registered Copy of Each Map
Descriptive Report of Each Map

GEODESY

Geodetic Records

MARINE CHART DIVISION

Chart Maintenance Print for Each Map
Forms 76-40

OFFICE OF GEOGRAPHER

Geographic Names Standards

REPRODUCTION DIVISION

Film Copy of Each Map
### 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.

<table>
<thead>
<tr>
<th>CHART</th>
<th>DATE</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1874</td>
<td>1-8-80</td>
<td>S M Niel</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 29 No Corr</td>
</tr>
<tr>
<td>18740</td>
<td>1-8-80</td>
<td>S M Niel</td>
<td>Full Part Before After Verification Review Inspection Signed Via Drawing No. 45 No Corr</td>
</tr>
</tbody>
</table>

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**Form CGS-8352 supercedes all editions of Form CGS-975.**