# DESCRIPTIVE REPORT

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>TP-00925</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Job No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM-7509</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Map Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINAL FIELD EDITED MAP</td>
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</table>

<table>
<thead>
<tr>
<th>Type of Survey</th>
</tr>
</thead>
<tbody>
<tr>
<td>SHORELINE</td>
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</tbody>
</table>

## LOCALITY

<table>
<thead>
<tr>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>CALIFORNIA</td>
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<table>
<thead>
<tr>
<th>General Locality</th>
</tr>
</thead>
<tbody>
<tr>
<td>PORT HUENEME TO POINT CONCEPTION</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Locality</th>
</tr>
</thead>
<tbody>
<tr>
<td>PIERPONT BAY</td>
</tr>
</tbody>
</table>

**DATE**

1975 TO 1977
### DESCRIBITIVE REPORT - DATA RECORD

**PHOTOGRAMMETRIC OFFICE**

Coastal Mapping Unit, Norfolk, VA

**OFFICER-IN-CHARGE**

Jeffrey G. Carlen, CDR

### I. INSTRUCTIONS DATED

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEROTRIANGULATION</td>
<td>June 9, 1976</td>
</tr>
<tr>
<td>Compilation</td>
<td>June 8, 1976</td>
</tr>
<tr>
<td>Amendment I</td>
<td>July 21, 1976</td>
</tr>
<tr>
<td>Amendment II</td>
<td>Oct. 29, 1976</td>
</tr>
<tr>
<td>Review and Registration Memo</td>
<td>July 10, 1980</td>
</tr>
<tr>
<td>Review and Registration Memo</td>
<td>Oct. 24, 1983</td>
</tr>
</tbody>
</table>

### II. DATUMS

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

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

**MAP PROJECTION**

Lambert Conformal Conic

**SCALE:**

1:30,000

### III. HISTORY OF OFFICE OPERATIONS

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>METHOD</th>
<th>LANDMARKS AND AIDS</th>
<th>BY</th>
<th>DATE</th>
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</thead>
<tbody>
<tr>
<td>1. AEROTRIANGULATION</td>
<td>Analytic</td>
<td>LANDMARKS AND AIDS</td>
<td>S. Solbeck</td>
<td>June 1976</td>
</tr>
<tr>
<td>2. CONTROL AND BRIDGE POINTS</td>
<td>Coromat</td>
<td>PLOTTED</td>
<td>H. Jones</td>
<td>July 1976</td>
</tr>
<tr>
<td>3. STEREOSCOPIC INSTRUMENT COMPIILATION</td>
<td>Wild B-8</td>
<td>PLANIMETRY</td>
<td>C. Blood</td>
<td>Nov. 1976</td>
</tr>
<tr>
<td>4. MANUSCRIPT DELINEATION</td>
<td></td>
<td>PLANIMETRY</td>
<td>J. Roderick</td>
<td>Nov. 1976</td>
</tr>
<tr>
<td>5. OFFICE INSPECTION PRIOR TO FIELD EDIT</td>
<td></td>
<td></td>
<td>F. Margiotta</td>
<td>Nov. 1976</td>
</tr>
<tr>
<td>6. APPLICATION OF FIELD EDIT DATA</td>
<td></td>
<td></td>
<td>J. Hancock</td>
<td>Nov. 1976</td>
</tr>
<tr>
<td>7. COMPILATION SECTION REVIEW</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. FINAL REVIEW, FINAL MAP</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH</td>
<td></td>
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<td></td>
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<tr>
<td>10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH</td>
<td></td>
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<tr>
<td>11. MAP REGISTERED - COASTAL SURVEY SECTION</td>
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</table>
### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>DATA COMPILED</th>
<th>DATE</th>
<th>REMARKS</th>
<th>MARINE CHARTS</th>
<th>HYDRO SUPPORT</th>
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<tbody>
<tr>
<td>Compilation complete pending field edit</td>
<td>Nov. 1976</td>
<td>Class III manuscript Superseded</td>
<td>Nov. 1976</td>
<td>Nov. 1976</td>
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<tr>
<td>Field edit applied. Compilation complete</td>
<td>July 1978</td>
<td>Class I manuscript</td>
<td>July 1978</td>
<td>July 1978</td>
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### II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORT TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
<tr>
<th>PAGES</th>
<th>CHART LETTER NUMBER ASSIGNED</th>
<th>DATE FORWARDED</th>
<th>REMARKS</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
<td>Sept. 1978</td>
<td>Landmarks to be charted.</td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Feb. 1984</td>
<td>Landmarks to be charted (Final reviewed 76-40 form indicates one positional change)</td>
</tr>
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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. BRIDGING PHOTOGRAPHS; ★ DUPLICATE BRIDGING REPORT; ⬣ COMPUTER READOUTS.
2. CONTROL STATION IDENTIFICATION CARDS; ★ FORM NO. 35-10 SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

### IV. SURVEY EDITIONS

<table>
<thead>
<tr>
<th>SECOND EDITION</th>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>REVISED</th>
<th>RESURVEY</th>
<th>MAP CLASS</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
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<th>THIRD EDITION</th>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>REVISED</th>
<th>RESURVEY</th>
<th>MAP CLASS</th>
</tr>
</thead>
<tbody>
<tr>
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<table>
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<th>FOURTH EDITION</th>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
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<th>REVISED</th>
<th>RESURVEY</th>
<th>MAP CLASS</th>
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</thead>
<tbody>
<tr>
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</table>

MARCH 1984

NOAA FORM 76-36D
1. **Compilation Photography**

<table>
<thead>
<tr>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>752 (C) 7908 - 7912#</td>
<td>Oct. 7, 1975</td>
<td>12:15</td>
<td>1:30,00</td>
<td>0.5 ft. above M.H.W.</td>
</tr>
<tr>
<td>76B(I) 2780 - 2782*</td>
<td>Nov. 15, 1976</td>
<td>09:54</td>
<td>1:30,000</td>
<td>±0.2 ft. of M.H.W.</td>
</tr>
<tr>
<td>76B(I) 2322 - 2324**</td>
<td>Mar. 12, 1976</td>
<td>14:51</td>
<td>1:30,000</td>
<td>±0.2 ft. of M.L.L.W.</td>
</tr>
</tbody>
</table>

**Remarks** #Bridge and compilation photography based on predicted tides.
* Tide coordinated infrared hydro support photography at M.H.W.
** Tide coordinated infrared hydro support photography at M.L.L.W.

2. **Source of Mean High-Water Line:**

*The M.H.W. line was compiled graphically from the tide coordinated infrared ratio photographs.*

\[
\text{M.H.W. Photos} \\
2780 - 2782 \\
\text{Ratio Value} \\
2.975
\]

3. **Source of Mean Low-Water or Mean Lower Low-Water Line:**

**The M.L.L.W. line was compiled graphically from the tide coordinated infrared ratio photographs.**

\[
\text{M.L.L.W. Photos} \\
2322 - 2324 \\
\text{Ratio Value} \\
2.971
\]

4. **Contemporary Hydrographic Surveys** *(List only those surveys that are sources for photogrammetric survey information.)*

<table>
<thead>
<tr>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
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<tbody>
<tr>
<td></td>
<td></td>
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</table>

5. **Final Junctions**

<table>
<thead>
<tr>
<th>North</th>
<th>East</th>
<th>South</th>
<th>West</th>
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<tbody>
<tr>
<td>No Survey</td>
<td>No Survey</td>
<td>TP-00926</td>
<td>TP-00924</td>
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</table>

**Remarks** None
### HISTORY OF FIELD OPERATIONS

1. **FIELD INSPECTION OPERATION** (Premarking) **FIELD EDIT OPERATION**

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>R. Melby</td>
<td>Sept. 1975 March 1976</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>3. VERTICAL CONTROL</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>6. PHOTO INSPECTION</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>7. BOUNDARIES AND LIMITS</td>
<td>N.A.</td>
<td></td>
</tr>
</tbody>
</table>

#### SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**
   - None

2. **VERTICAL CONTROL IDENTIFIED**
   - None

#### PHOTO NUMBERS

3. **(Clarification of details)**
   - None

#### LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

- None

#### GEOGRAPHIC NAMES

5. **REPORT**
   - None

6. **BOUNDARY AND LIMITS**
   - None

#### OTHER FIELD RECORDS

(No horizontal control was premarked that fell within the limit of this map.)

2 C&GS Forms 277 (tide level books) for project.
### HISTORY OF FIELD OPERATIONS

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Inspection Operation</td>
<td>X Field Edit Operation</td>
<td>Oct. 1977</td>
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<tr>
<td>2. Horizontal Control</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>3. Vertical Control</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>4. Landmarks and Aids to Navigation</td>
<td>M. Molchan</td>
<td>Dec. 1977</td>
</tr>
<tr>
<td>5. Geographic Names Investigation</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>6. Photo Inspection</td>
<td>M. Molchan</td>
<td>Oct. 1977</td>
</tr>
<tr>
<td>7. Boundaries and Limits</td>
<td>N.A.</td>
<td></td>
</tr>
</tbody>
</table>

### II. SOURCE DATA

1. Horizontal Control Identified
   - None
2. Vertical Control Identified
   - None

3. Photo Numbers (Classification of details)
   - 76 B(T) 2323 (1:10,000 ratio)

4. Landmarks and Aids to Navigation Identified
   - None

5. Geographic Names: [ ] Report [X] None

6. Boundary and Limits: [ ] Report [X] None

7. Supplemental Maps and Plans
   - None

8. Other Field Records (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
   - 1 film field edit copy, 2 Forms 76-40's
   - 1 field edit report
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT
TP-00925

This 1:10,000 scale final shoreline map is one of ten maps that comprise project CM-7509, Port Hueneme to Point Conception, California. The project consists of seven 1:20,000 scale maps (TP-00918 thru TP-00924), two 1:10,000 scale maps (TP-00925 and TP-00926), and one 1:5,000 scale inset map (TP-00867).

The purpose of this project was to furnish shoreline support data for hydrographic operations and to provide current charting information for nautical chart maintenance.

This final field edited map portrays a portion of shoreline along the California coast from longitude 119°15.0' to longitude 119°20.0' featuring Pierpont Bay.

Field work prior to compilation was accomplished in October 1975 and March 1976. This involved the establishment of horizontal control by premarking methods in order to meet aerotriangulation requirements. In addition, ground support was provided to assist in obtaining MHW and MLLW tide coordinated photography.

Photo coverage for the project was adequately provided by natural color and tide coordinated black and white photography. The bridging/ compilation photographs consisted of 7 flight strips taken at scales of 1:15,000, 1:30,000 and 1:60,000 with natural color film. Four strips were taken with the "2" camera in October 1975 and three strips were taken with the "B" camera in March 1976. Tide coordinated MHW infrared photographs were taken in October 1975 with the "E" camera and in March 1976 with the "B" camera. Tide coordinated MLLW infrared photographs were taken in March 1976 with the "B" camera. All tide coordinated photography was taken at 1:15,000 and 1:30,000 scales.

Analytic aerotriangulation was adequately provided by the Washington Science Center in June 1976. Aerotriangulation activity also included ruling the base manuscripts and determining ratio values of the photos necessary for graphic compilation.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Section at the Atlantic Marine Center in November 1976. Class III data was forwarded to the Pacific Marine Center for proposed field edit and hydrographic activity.

Field edit was performed in conjunction with hydrographic survey H-9730 in October 1977 by personnel aboard the NOAA Ship RAINIER. Application of field edit was accomplished in July 1978 at the Atlantic Marine Center.
TP-00925

Final Review was performed at the Atlantic Marine Center in January 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a "Notes to Hydrographer" was prepared and forwarded to the Hydrographic Survey Branch for their records.

This Descriptive Report contains all pertinent information used to compile this Final shoreline map. The original base manuscript and all pertinent data were forwarded to the Washington Science Center for final registration.
FIELD INSPECTION

TP-00925

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project.
21. **Area Covered**

The area covered by this report is the southern California shoreline from Point Conception to the northern part of Port Hueneme. This area is covered by seven 1:20,000 scale sheets (TP-00918 through TP-00924), two 1:10,000 scale sheets (TP-00925 and TP-00926), and one 1:5,000 scale sheet (TP-00867).

22. **Method**

Seven strips of color photography (one 1:60,000, five 1:30,000, one 1:15,000) were bridged by analytic aerotriangulation methods.

Common points were located on the bridging photography and all photography being used for ratio purposes. Tie points were used on all bridging photography to ensure adequate junctioning during the strip adjustment. Ratio prints were ordered. The T-sheet manuscripts were plotted on the Coradomat.

23. **Adequacy of Control**

The control proved adequate except one station, (RATA,1975) which had an excessive error in the "X" direction and could not be rectified. With all other control being good, the station was dropped from the adjustment.

One strip of bridging photography (75Z(C)7858 through 7865) proved difficult to measure due to poor overlap and excessive swing in the flight line.

24. **Supplemental Data**

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

25. **Photography**

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

Respectfully submitted,

[Signature]

Stephen H. Voltek

Approved and forwarded:

[Signature]

John D. Perrow, Jr.
Chief, Aerotriangulation Section
**List of Accuracy of Control Use in the Strip Adjustment**

<table>
<thead>
<tr>
<th>Point</th>
<th>X error (ft)</th>
<th>Y error (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Strip #1</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TEAL 2, 1959 (SUB PT)</td>
<td>+.001</td>
<td>-.001</td>
</tr>
<tr>
<td>SANDY 3 (1959)</td>
<td>-.000</td>
<td>+.001</td>
</tr>
<tr>
<td><strong>Strip #2</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>900801 (to Strip #1)</td>
<td>+.059</td>
<td>-.154</td>
</tr>
<tr>
<td>900802 (to Strip #1)</td>
<td>+.932</td>
<td>-.128</td>
</tr>
<tr>
<td>900803 (to Strip #1)</td>
<td>-.020</td>
<td>-1.005</td>
</tr>
<tr>
<td>SANDY 3 (1959)</td>
<td>+.069</td>
<td>-.300</td>
</tr>
<tr>
<td>JACOBY (1959)</td>
<td>-.431</td>
<td>+1.064</td>
</tr>
<tr>
<td>GATES (1927)</td>
<td>+.622</td>
<td>-.337</td>
</tr>
<tr>
<td>BRUSH, 1927 (SUB PT)</td>
<td>-.220</td>
<td>+.400</td>
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<td><strong>Strip #3</strong></td>
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<tr>
<td>921801 (to Strip #2)</td>
<td>-1.350</td>
<td>+.047</td>
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<tr>
<td>921802 (to Strip #2)</td>
<td>-.411</td>
<td>-.902</td>
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<tr>
<td>BRUSH, 1927 (SUB PT)</td>
<td>+1.056</td>
<td>+1.589</td>
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<td>JACOBY 1976 (JOSHTENS)</td>
<td>-1.891</td>
<td>-2.649</td>
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<td>STEVENS WHARF (1975)</td>
<td>-1.991</td>
<td>+.675</td>
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<tr>
<td>RATA (1975)</td>
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<tr>
<td>SUB PT (JEFFERSON SCHOOL)</td>
<td>-21.316</td>
<td>+.050</td>
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<tr>
<td>TOWER, 1933 (SANTA BARBARA MISSION)</td>
<td>-4.615</td>
<td>-8.326</td>
</tr>
<tr>
<td>SOUTH TOWER, 1862 (ST ANTHONY'S SEMINARY)</td>
<td>-2.027</td>
<td>+2.590</td>
</tr>
<tr>
<td>CROSS (DUNCAN REFERENCE)</td>
<td>+1.472</td>
<td>-1.647</td>
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<tr>
<td>MARK (1964)</td>
<td>+1.096</td>
<td>+1.054</td>
</tr>
<tr>
<td>KIMS NORTH RADIO</td>
<td>+.280</td>
<td>+.424</td>
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<tr>
<td>KIMS SOUTH RADIO</td>
<td>+1.077</td>
<td>+.079</td>
</tr>
<tr>
<td>PELICAN (1957)</td>
<td>.520</td>
<td>-.771</td>
</tr>
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</table>
Pt. Hueneme to Pt. Conception
CM-7509
August 1976

Supplement to Photogrammetric Plot Report

The final strip of CM-7509 was tied into Job CM-7604 well within National Map Accuracy Standards. The final manuscript (TP-00918) was plotted on the coradomat and forwarded. All ratio prints pertaining to this manuscript have been ordered.
<table>
<thead>
<tr>
<th>STATION NAME</th>
<th>SOURCE OF INFORMATION (Index)</th>
<th>AEROTRIANGULATION POINT NUMBER</th>
<th>STATE</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>FRONT M.</th>
<th>BACK M.</th>
</tr>
</thead>
<tbody>
<tr>
<td>BRIDGE, 1951</td>
<td>341192, Page 1063</td>
<td>107</td>
<td>Calif.</td>
<td>$34^\circ 16'37.109''$</td>
<td>$119^\circ 18'21.448''$</td>
<td>1143.4</td>
<td>705.3</td>
</tr>
<tr>
<td>VENTURA, PADRE JUNIPERO SERRA MEMORIAL CROSS, 1959</td>
<td>341192, Page 1015</td>
<td>136</td>
<td>Calif.</td>
<td>$34^\circ 17'04.531''$</td>
<td>$119^\circ 17'42.873''$</td>
<td>139.6</td>
<td>1708.9</td>
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<tr>
<td>VENTURA, COUNTY COURTHOUSE, CUPOLA, 1933</td>
<td>341192, Page 1051</td>
<td>109</td>
<td>Calif.</td>
<td>$34^\circ 16'56.630''$</td>
<td>$119^\circ 01'31.757''$</td>
<td>1774.9</td>
<td>103.8</td>
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<tr>
<td>VENTURA, CATHOLIC CHURCH, BELL TOWER, 1959</td>
<td>341192, Page 1042</td>
<td>113</td>
<td>Calif.</td>
<td>$34^\circ 16'32.27''$</td>
<td>$119^\circ 01'05.93''$</td>
<td>686.2</td>
<td>1162.5</td>
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<td>CHAFFEE 2, 1923</td>
<td>341192, Page 1017</td>
<td>106</td>
<td>Calif.</td>
<td>$34^\circ 18'02.199''$</td>
<td>$119^\circ 19'47.980''$</td>
<td>67.8</td>
<td>1780.9</td>
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<td>MART 3, 1960</td>
<td>341192, Page 1014</td>
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<td>Calif.</td>
<td>$34^\circ 17'46.5916''$</td>
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<td>413.1</td>
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<td>WAGON, 1951</td>
<td>341192, Page 1094</td>
<td>111</td>
<td>Calif.</td>
<td>$34^\circ 17'14.778''$</td>
<td>$119^\circ 01'37.245''$</td>
<td>455.3</td>
<td>1393.4</td>
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**COMPUTED BY**
A. C. Rauck, Jr.  
**DATE** 8/25/76
**COMPUTATION CHECKED BY**
Lowell D. Neterer, Jr.  
**DATE** 8/26/76

**LISTED BY**
A. C. Rauck, Jr.  
**DATE** 8/6/76
**LISTING CHECKED BY**
Lowell D. Neterer, Jr.  
**DATE** 8/23/76

**HAND PLOTTING BY**

**SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.**
COMPILATION REPORT

TP-00925

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The 1:30,000 scale color photography was set on the Wild B-8 stereoplotter. The interior details and alongshore features were delineated at this time. Points common to the 1:10,000 infrared ratio photographs were selected and positioned to allow the graphic compilation of the mean high and mean lower low water lines.

All photographs used to compile this map were adequate and are listed on NOAA Form 76-36B.

32 - CONTROL

Horizontal control was adequate. Refer to the attached Photogrammetric Plot Report dated June 1976.

33 - SUPPLEMENTAL DATA

A comparison was made with H.S. 5419, 5420, T.S. 4824, 4847, dated 1933 for the purpose of calling attention to the hydrographer items to be investigated.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated by the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high and mean lower low water lines were graphically delineated from the infrared ratio photographs.

36 - OFFSHORE DETAILS

No unusual problems. The breaker limit delineated along the shoreline was compiled to assist the hydrographer.
37 - LANDMARKS AND AIDS

Within the limits of the manuscript, there were five charted landmarks, two are established triangulation stations, and three were located photogrammetrically. There were no aids.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-368, item #5 of the Descriptive Report.

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item Number 32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U. S. Geological Survey Quadrangle: Oxnard, CA, scale 1:24,000, dated 1949 and photorevised 1967.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: No. 18720, scale 1:232,188, dated September 6, 1975, 18th edition; and No. 18725, scale 1:50,000, dated November 1, 1975, 14th edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.
Submitted by,

Joanne D. Roderick
Cartographer
11/17/76

Approved,

Albert C. Rauch, Jr.
Chief, Coastal Mapping Unit
ADDENDUM TO THE COMPILATION REPORT

TP-00925

Field edit was accomplished in October 1977 through January 1978 in conjunction with the hydrographic survey (H-9725) assigned to NOAA Ship RAINIER. One ratio photograph, 76 B(I) 2323, was used to identify and clarify shoreline details. The field edit was adequate.
FIELD EDIT REPORT
TP-00925
JOB CM-7509
CPR-411-RA-77

Port Hueneme to Point Conception, California
Ventura

2 FIELD UNITS
OCTOBER 26-28, 1977
(JD 290-292)
51 METHODS

All shoreline delineated on TP-00925 was verified on foot. Questions pertaining to pipelines and fixed aids to navigation were answered by visiting the sites in question via motor vehicle.

Greenwich Mean Time (local + 8 hours) was used to reference the heights of shoreline features. Master Field Edit Ozalid TP-00925 and black and white photograph 76B(I)2323 include shoreline and topographic notes using colors with the following accepted meanings: violet - verification of features, red - addition or revision of features, green - deletion of features. All field edit information gathered in the field was written on the field copy ozalids and on black and white photographs 2322, 2323. This information was then transferred to the Master Field Edit Ozalid and chronopaque photograph 76B(I)2323.

52 ADEQUACY OF COMPILATION

The compilation of manuscript TP-00925 is complete and adequate. Compilation of MHML was excellent requiring no change. For further information refer to Descriptive Report, H-9730.

53 MAP ACCURACY

Chart 18725 shows ruins located just north of Lat. 34° 15' 30"N. The ruins are not visible from the shore at MLLW. Since this area is subject to heavy surf a skiff was not used to investigate the ruins. Local surfers explained the ruins exist in their charted location (from Lat. 34° 15' 30"N. to the first groin north.) Chart 18725 also indicates pilings extending from the MHML 200 meters seaward at Lon. 119° 16' 30"W. No pilings were visible in this area from the shore at MLLW however, local real estate personnel explained a pier existed in this area in the 1930's. It is recommended that both the ruins and pilings remain charted in their present locations.

Five pipelines are charted on 18725 east and west of the Ventura pier (from Lon. 119° 17' 00"W to 119° 18' 00"W). The following sources were used to gather information on the pipeline locations:

1. Director of Public Works, Ventura, CA.
2. State Regulator
3. City Engineer, Ventura, CA.
4. County Recorder, Ventura County
5. Ventura Sewage Treatment Plant
6. State Park System
7. Oil Companies - Getty Oil, Mobil Oil, Shell Oil, Standard Oil, Union Oil, U.S.A., Petrochem

Of the five pipelines the three easternmost pipelines could not be verified from any of the above sources. None of the pipeline ends.
were located because RAINIER hydrographic survey operations OPR-411-RA-77 were not conducted in this area, (pipelines are charted between 119° 17' 00''W and 119° 17' 30''W). It is recommended the pipelines remain on the chart until hydrography is run in the area and a dive investigation is conducted to ascertain their existence.

The pipeline running north and south at Lon. 119° 17' 39''W was verified by Getty Oil Company as having a correct charted location. The location of the sewer pipeline (at Lon. 119° 17' 59''W) was verified by officials at the sewage treatment plant. The sewer pipeline is no longer in operation.

There is only one addition to the manuscript. Approximately 150 meters of riprap was added to the shoreline at 119° 19' 13''W.

Two radio towers (KVEN and KUDU) were plotted on the Master Field Edit Ozalid TP-00925. Neither of these towers currently exist in the plotted locations. Geographic Positions for both radio towers are included on NOAA Form 76-40 in the separates following the text of this report.

One cross approximately 20 feet tall is located in the hills north of Ventura at Lat. 34° 17' 04.531''N, Lon. 119° 17' 42.871''W. From sea it is barely visible during the day but it is illuminated at night and visible from all directions. The Master Field Edit Ozalid shows three geodetic stations within 100 meters of the cross. CROSS 1951 is a triangulation station within 50 meters of the cross. SAN BUENA VENTURA MISSION CROSS 1927 and VENTURA, PADRE JUNIPERO SERRA, MEMORIAL CROSS, 1959 are two different names for the cross mentioned above. RAINIER horizontal control officer has geodetically located the cross, keeping the 1959 station name VENTURA, PADRE JUNIPERO SERRA, MEMORIAL CROSS. For more complete information on all geodetically located features refer to NOAA Form 76-40 in the separates following the text and Horizontal Control Report, OPR-411-RA-77

54 RECOMMENDATIONS

None.
Respectfully submitted,
Louis C. Sapino, CDR, NOAA
Operations Officer
For\nMarianne Molchan, LT(jg)
Field Edit Officer

Approved by:
James P. Randall, Capt., NOAA
Commanding Officer
REVIEW REPORT TP-00925

SHORELINE

61. GENERAL STATEMENT

Refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangle Ventura, CA, 1:24,000 scale, dated 1951 and photorevised 1967.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with contemporary survey H-9730, surveyed October 1977. No comparison was made with adjoining hydro survey H-9725 because an expedient copy of this smooth sheet could not be obtained.

Field edit for this shoreline map was performed in conjunction with hydrographic survey H-9730.

A final map copy designated "Notes to Hydrographer" was prepared to relay shoreline source data that may be applicable to the hydrographic surveys.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 18725, 1:50,000 scale, 19th edition, dated July 10, 1982; and, 18720, 1:232,188 scale, 24th edition, dated June 5, 1982.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

This map compiles with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.
Submitted by,

Jerry L. Hancock
Final Reviewer

Approved for forwarding,

Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch, Rockville
GEOGRAPHIC NAMES
FINAL NAME SHEET

CM-7509 (Point Hueneme to Point Conception, California)

TP-00925

Pacific Ocean
Pierpont Bay
Pierpont Bay (Ppl)
Santa Barbara Channel
Southern Pacific (RR)
Ventura
Ventura Keys
Ventura River

Approved by:

Charles E. Harrington
Chief Geographer
Nautical Charting Division
<table>
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<tr>
<th>OPR PROJECT NO.</th>
<th>JOB NUMBER</th>
<th>SURVEY NUMBER</th>
<th>DATUM</th>
<th>METHOD AND DATE OF LOCATION</th>
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<tr>
<td>411</td>
<td>CN-7509</td>
<td>TP-00925</td>
<td>N.A. 1927</td>
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<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATITUDE</th>
<th>LONGITUDE</th>
<th>OFFICE</th>
<th>FIELD</th>
<th>CHARTS AFFECTED</th>
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<tr>
<td>CROSS</td>
<td>(Ventura, Padre Junipero Serra Memorial Cross, 1959) (San Buena Ventura Mission Cross, 1927) Ht. = 20 ft.</td>
<td>34°17′</td>
<td>119°17′</td>
<td>42.873</td>
<td>75Z(C) 7910</td>
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<td>Community Presbyterian Church</td>
<td>34°16′</td>
<td>119°16′</td>
<td>33.15</td>
<td>76B(I) 2323</td>
<td>F-V-Vis</td>
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<tr>
<td>TOWER</td>
<td>First Methodist Episcopal Church</td>
<td>34°16′</td>
<td>119°16′</td>
<td>44.84</td>
<td>76B(I) 2323</td>
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<td>S. TANK</td>
<td></td>
<td>34°16′</td>
<td>119°17′</td>
<td>47.22</td>
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First Methodist Episcopal Church TOWER previously submitted in error as 119°17.
By photogrammetric methods, field positions are determined by field observer.

**FIELD POSITION DETERMINED OR VERIFIED**

1. Location and date of field work.

2. Traverse
3. Intersection
4. Rectification
5. Field Identified
6. V.S. - Verified
7. Field Station
8. - Surveyer
9. - Field Observer
10. - Photogrammetric

Verify the applicable data by symbols as follows:

- Field Identified and located on map.

1. Office Identified and located on map.

---

**INSTRUCTIONS FOR ENTITIES UNDER MANDATORY AND DATE OF LOCATION**

<table>
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<th>Office Activity Representative</th>
<th>Field Activity Representative</th>
<th>Other (if any)</th>
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<td>J. Hancock, January 1984</td>
<td>M. Matchen</td>
<td></td>
</tr>
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**ACCOUNTS INSPECTED FROM SHEET AND**

**ACTIVITIES**

- Quality Control and Review Group
- Field

**REPRESENTATIVE**

- Geodetic Party
- Hidrographic Party

- Photo Field Party

**RESPONSIBLE PERSONNEL**

- Field Observer

---

**Example:** 75E(C) 0642

- Identity and locate the object.
- Date, and year of the photograph used to
- Enter the number and date (including month).