**NOAA FORM 76-35**

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

**DESCRIPTIVE REPORT**

<table>
<thead>
<tr>
<th>Type of Survey</th>
<th>Shoreline</th>
</tr>
</thead>
<tbody>
<tr>
<td>Job No.</td>
<td>PH-7108</td>
</tr>
<tr>
<td>Map No.</td>
<td>TP-00386</td>
</tr>
<tr>
<td>Classification No.</td>
<td>Final</td>
</tr>
<tr>
<td>Edition No.</td>
<td>1</td>
</tr>
<tr>
<td>Field Edited Map</td>
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</table>

**LOCALITY**

<table>
<thead>
<tr>
<th>State</th>
<th>California</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Locality</td>
<td>San Clemente Island</td>
</tr>
<tr>
<td>Locality</td>
<td>Seal Cove</td>
</tr>
</tbody>
</table>

**1971 TO 1974**

**REGISTRY IN ARCHIVES**

**DATE**

---

* U.S. GOVERNMENT PRINTING OFFICE: 1974-762-981
**DESCRIPTIVE REPORT - DATA RECORD**

**PHOTOGRAMMETRIC OFFICE**
Coastal Mapping Division
Atlantic Marine Center, Norfolk, VA

**OFFICER-IN-CHARGE**
Jeffrey G. Carlen, Cdr.

<table>
<thead>
<tr>
<th>1. INSTRUCTIONS DATED</th>
<th>2. FIELD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerotriangulation</td>
<td>Primarking March 1, 1971</td>
</tr>
<tr>
<td>Compilation</td>
<td>November 17, 1971</td>
</tr>
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</table>

**II. DATUMS**

1. **HORIZONTAL:**
   - 1927 North American

2. **VERTICAL:**
   - Mean High-Water

3. **MAP PROJECTION**
   - Polyconic

4. **GRID(S):**
   - California

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

**III. HISTORY OF OFFICE OPERATIONS**

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Aerotriangulation</td>
<td>Don O. Norman</td>
<td>8/72</td>
</tr>
<tr>
<td>Method: Analytical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Control and Bridge Points</td>
<td>D. Phillips</td>
<td>8/72</td>
</tr>
<tr>
<td>Method: Coradonat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Stereoscopic Instrument Compilation</td>
<td>L. O. Neterer</td>
<td>7/72</td>
</tr>
<tr>
<td>Instrument: Wild B-8</td>
<td>A. L. Shands</td>
<td>7/72</td>
</tr>
<tr>
<td>Scale: 1:15,000</td>
<td>NA</td>
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<tr>
<td>4. Manuscript Delineation</td>
<td>C. E. Blood</td>
<td>8/72</td>
</tr>
<tr>
<td>Method: Smooth drafted</td>
<td>R. White</td>
<td>8/72</td>
</tr>
<tr>
<td>Scale: 1:10,000</td>
<td>NA</td>
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<tr>
<td>5. Office Inspection Prior to Field Edit</td>
<td>R. R. White</td>
<td>8/72</td>
</tr>
<tr>
<td>6. Application of Field Edit Data</td>
<td>D. P. Butler</td>
<td>1/75</td>
</tr>
<tr>
<td>Check by</td>
<td>Jim Byrd</td>
<td>9/75</td>
</tr>
<tr>
<td>7. Compilation Section Review</td>
<td>Jim Byrd</td>
<td>9/75</td>
</tr>
<tr>
<td>8. Final Review</td>
<td>Jim Byrd</td>
<td>9/75</td>
</tr>
<tr>
<td>9. Data Forwarded to Photogrammetric Branch</td>
<td>Jim Byrd</td>
<td>9/75</td>
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<tr>
<td>10. Data Examined in Photogrammetric Branch</td>
<td>W. Wright</td>
<td>11/78</td>
</tr>
<tr>
<td>11. Map Registered - Coastal Survey Section</td>
<td>H. T. Cooper</td>
<td>11/78</td>
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1. Compilation Photography

<table>
<thead>
<tr>
<th>Camera(s)</th>
<th>Tide Stage Reference</th>
<th>Types of Photography Legend</th>
<th>Time Reference</th>
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<tbody>
<tr>
<td>Wild RC-8 &quot;IL&quot;</td>
<td>[ ] Predicted Tides</td>
<td>(C) Color</td>
<td>Zone: Pacific</td>
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<td></td>
<td>[ ] Reference Station Records</td>
<td>(P) Panchromatic</td>
<td>Meridian: 120th</td>
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<td></td>
<td>[X] Tide Controlled Photography</td>
<td>(I) Infrared</td>
<td>Standard Daylight</td>
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<table>
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<tr>
<th>Number and Type</th>
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<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tbody>
<tr>
<td>*711(C)1876 thru 1879</td>
<td>3/06/71</td>
<td>12:25</td>
<td>1:20,000</td>
<td>0.9 ft. below MLLW</td>
</tr>
<tr>
<td>*711(C)1882</td>
<td>3/06/71</td>
<td>12:25</td>
<td>1:20,000</td>
<td>0.9 ft. below MLLW</td>
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<tr>
<td>711(I)1782 thru 1783</td>
<td>3/06/71</td>
<td>10:47</td>
<td>1:30,000</td>
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<tr>
<td>**711(C)1754 and 1755</td>
<td>3/06/71</td>
<td>10:20</td>
<td>1:30,000</td>
<td>0.5 ft. above MLLW</td>
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Remarks
*Hydro support photos.
**Bridge and compilation photos.

2. Source of Mean High-Water Line:

Air Photo Compilation
Date of Photography: March 6, 1971

3. Source of Mean Lower Low-Water Line:

Tide controlled infrared photography at MLLW.

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

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<thead>
<tr>
<th>Survey Number</th>
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<th>Survey Copy Used</th>
<th>Survey Number</th>
<th>Date(s)</th>
<th>Survey Copy Used</th>
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5. Final Junctions

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<th>North</th>
<th>East</th>
<th>South</th>
<th>West</th>
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<tbody>
<tr>
<td>TP-00384</td>
<td>TP-00387</td>
<td>No Survey</td>
<td>No Survey</td>
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Remarks
### HISTORY OF FIELD OPERATIONS

1. **FIELD INSPECTION OPERATION**
   - **OPERATION**: Chief of Field Party
   - **RECOVERED BY**: None
   - **ESTABLISHED BY**: None
   - **PRE-MARKED OR IDENTIFIED BY**: None
   - **RECOVERED BY**: NA
   - **ESTABLISHED BY**: NA
   - **PRE-MARKED OR IDENTIFIED BY**: NA
   - **RECOVERED (Triangulation Stations) BY**: None
   - **LOCATED (Field Methods) BY**: None
   - **IDENTIFIED BY**: None
   - **NAME**: R. B. Melby
   - **DATE**: 2/71

2. **HORIZONTAL CONTROL**
   - **TYPE OF INVESTIGATION**
     - [ ] COMPLETE
     - [ ] SPECIFIC NAMES ONLY
     - [x] NO INVESTIGATION
   - **PHOTO INSPECTION**: None
   - **BOUNDARIES AND LIMITS**: NA

### SOURCE DATA

1. **HORIZONTAL CONTROL IDENTIFIED**
   - **PHOTO NUMBER**: None
   - **STATION NAME**: None

2. **VERTICAL CONTROL IDENTIFIED**
   - **PHOTO NUMBER**: None
   - **STATION DESIGNATION**: None

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

4. **LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**
   - **PHOTO NUMBER**: None
   - **OBJECT NAME**: 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)**
   - None
## Field History of Field Operations

### 1. Field Inspection Operation

<table>
<thead>
<tr>
<th>Operation</th>
<th>Name</th>
<th>Date</th>
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<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>K. Jeffers</td>
<td>9-10/74</td>
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<tr>
<td>2. HORIZONTAL CONTROL</td>
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<td>3. VERTICAL CONTROL</td>
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<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td>5. GEOGRAPHIC NAMES INVESTIGATION</td>
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### II. Source Data

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<th>Station Designation</th>
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<td>72L(C)1876 through 1879</td>
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### Other Field Records (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1. Field Edit Ozalid and Field Edit Report
I. MANUSCRIPT COPIES

<table>
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<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>8/72</td>
<td>Class III Manuscript Superseded</td>
<td>9/08/72</td>
<td>9/06/72</td>
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<tr>
<td>Field edit applied. Compilation complete.</td>
<td>1/75</td>
<td>Class I Manuscript</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Comp. Section Review</td>
<td>9/75</td>
<td>Class I Manuscript</td>
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<tr>
<td>Final Review</td>
<td>8/78</td>
<td>Final</td>
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II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

<table>
<thead>
<tr>
<th>NUMBER</th>
<th>CHART LETTER NUMBER</th>
<th>DATE FORWARDED</th>
<th>REMARKS</th>
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<td>No aids.</td>
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<td></td>
<td></td>
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<td>No landmarks.</td>
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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 NOS 567 SUBMITTED BY FIELD PARTIES.
3. SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.

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

<table>
<thead>
<tr>
<th>SECOND EDITION</th>
<th>SURVEY NUMBER</th>
<th>JOB NUMBER</th>
<th>TYPE OF SURVEY</th>
<th>MAP CLASS</th>
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<tbody>
<tr>
<td>TP - (2)</td>
<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
<td>REVISED</td>
<td>FINAL</td>
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<td>THIRD EDITION</td>
<td>SURVEY NUMBER</td>
<td>JOB NUMBER</td>
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<td>MAP CLASS</td>
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<tr>
<td>TP - (3)</td>
<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
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<td>FOURTH EDITION</td>
<td>SURVEY NUMBER</td>
<td>JOB NUMBER</td>
<td>TYPE OF SURVEY</td>
<td>MAP CLASS</td>
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<td>TP - (4)</td>
<td>DATE OF PHOTOGRAPH</td>
<td>DATE OF FIELD EDIT</td>
<td>REVISED</td>
<td>FINAL</td>
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</table>
SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORTS
TP-00382 thru TP-00391

Project PH-7108 covers the entire shoreline of San Clemente Island, CA.

There were ten maps assigned in this project, TP-00382 thru TP-00389 at 1:10,000 scale and TP-00390 and TP-00391 at 1:5,000 scale. The purpose of these maps is to provide contemporary shoreline data in support of hydrographic operations conducted in the area from 1972 to 1975.

Field work prior to compilation consisted of paneling horizontal control stations in advance of the aerial photography and the installation and observance of a tide staff to coordinate black and white infrared aerial photography with MLLW.

Maps TP-00382 thru TP-00385 were compiled by the Rockville office on a "crash basis" in August 1971. Maps TP-00386 thru TP-00391 were compiled at AMC in July and August of 1972.

Color photography at 1:30,000 scale flown in March 1971, was used in the bridging and compilation of the 1:10,000 scale maps. Color photography at 1:15,000 was used for the 1:5,000 scale maps. March, 1971 tide controlled MLLW infrared photography at 1:30,000 was used for shoreline and rock delineation on all 1:10,000 sheets except TP-00382 thru TP-00384 where the 1:20,000 offshore hydro photos were used. 1:15,000 scale tide controlled infrared photos were used for the shoreline and rock delineation of the 1:5,000 scale maps. Offshore color photography at 1:20,000 scale was used for the preparation of hydro support data, for the 1:10,000 maps and 1:15,000 scale for the 1:5,000 maps.

Field edit was accomplished at various times for sheets TP-00382, TP-00383, and TP-00384. Field edit on maps TP-00382 and TP-00383 was accomplished September, 1971, and April, 1973. Field edit on map TP-00384 was accomplished in September, 1971 and the (fall) of 1975.

Field edit for sheets TP-00385-TP-00391 was accomplished October, 1974. The field edit data was applied at AMC at various times between December, 1973 and February 1976.
Final review of TP-00382 thru TP-00391 was done at AMC in July thru September 1978.

The original stabilene base manuscripts (TP-00382 thru TP-00389 at 1:10,000) and (TP-00390, TP-00391 at 1:5,000) were sent to the Rockville office for reproduction of registration copies.
FIELD INSPECTION

TP-00386

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification of the horizontal control necessary for the aerotriangulation of the project.
Field Report
Project PH-7108
San Clemente Island, California
Shoreline Mapping
February - March 1971

The field work consisted of premarking selected 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 panels are in open areas and shadows or overhanging bluffs should not be encountered on the photography. Panel array No. 1 was used exclusively, although in some instances the rays have been altered to conform with existing terrain.

Tide Observations:

At Wilson Cove, San Clemente Island, a tide staff was secured to the existing pier and tied to the three existing tidal bench marks, by spirit leveling. One new bench mark was established.

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 0.1 foot and relayed to the air photo mission plane by radio during the times of photography. The field observations are recorded in Form 258, "Leveling Record - Tide Station".

Notes to the Hydrographer:

San Clemente Island is a U. S. Naval Reservation. Portions of the island and adjacent waters are restricted areas including the bombing and gunnery ranges.

Coordination with the U. S. Navy is essential for safety and access to certain beach and alongshore areas. It is quite likely the Navy will insist on an EOD team (demolition team) accompanying any building parties going ashore to construct visual, hydrographic signals.
Names and Addresses:

Officer in Charge:
Naval Undersea Research and Development Center
San Clemente Island Facility
3202 E. Foothill Blvd.
Pasadena, California  91107

The EOD team (demolition team) was arranged through:
The Commanding Officer
Naval Weapons Station
Seal Beach, California  90740

The EOD team was under the direction of:
LT Smith
Naval Weapons Station
Seal Beach, California  90740
Phone 596-5511 Ext. 390

One commercial airline, under Navy Contract, flies daily except weekends from the Long Beach, California, airport to the San Clemente Island airport. U. S. Navy approval through the above San Clemente Island command is required to board the aircraft.

Respectfully submitted,

[Signature]
Robert B. Melby
Chief, PMC Field Party
PHOTOGRAMMETRIC PLOT REPORT
Job PH-7108
San Clemente Island, California
August 1971

21. Area Covered

This report pertains to the entire island of San Clemente off the coast of California. The sheets covered are TP-00382 thru TP-00389 at 1:10,000 scale and TP-00390 and TP-00391 at 1:5,000 scale.

22. Method

Two strips of 1:30,000 scale photography (71-L-1733 thru 1746 and 71-L-1752 thru 1760) and two strips of 1:15,000 scale photography (71-L-1819 thru 1822 and 71-L-1846 thru 1850) were bridged by analytic aerotriangulation methods. Tie points were transferred from the 1:30,000 scale photography to the 1:15,000 scale photography and were used to control the 1:15,000 scale photography. Points were also established to determine the ratios of various offshore color and infrared photography. See Aerotriangulation Sketch, Ratio Photography. All strips were adjusted to California state plane coordinates, zone 6.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for the strips.

25. Photography

The photography was adequate.

Respectively Submitted:

Don O. Norman

Approved and Forwarded:

Henry P. Eichert, Chief
Aerotriangulation Section
Fit to Control
(X, Y in feet)

STRIP 1

▲ BLACK POINT 2, 1933 (+0.5, +0.1)
▲ GREEN, 1862 (-0.5, -0.4)
▲ BUMP, 1947 (+0.7, +0.4)
▲ CHINA POINT SOUTH BASE, 1947 (-0.3, -0.1)

STRIP 2

▲ 34801 (-0.1, -0.1)
▲ 34802 (+1.2, +0.1)
▲ 34803 (+0.6, +0.7)
▲ 36801 (-1.5, -0.3)
▲ 36802 (+0.2, +0.1)
▲ 36803 (-1.2, -1.2)
▲ GREEN, 1862 (-0.1, -0.1)
▲ 40801 (+1.0, +0.9)
▲ 40802 (-1.1, +1.4)
▲ 40803 (+1.1, +1.2)
▲ BLACK POINT 2, 1933 (+0.2, +0.1)
▲ SAN GLEMANTE ISLAND N.B., 1860 (-0.5, -0.2)
▲ NORTH HEAD, 1860 (+0.3, +0.2)

STRIP 3

▲ CHINA POINT SOUTH BASE, 1947 (0.0, 0.0)
▲ 760801 (-4.6, -1.4)
▲ 760802 (-1.5, -1.0)
▲ 760803 (-0.5, -0.5)
▲ 760804 (+1.0, -0.4)
▲ 734320 (-0.9, +1.1)
▲ 759320 (-0.9, +1.6)
▲ 34801 (0.0, 0.0)
▲ 734804 (0.0, 0.0)
▲ 734805 (+4.9, -5.3)
▲ 734806 (-3.1, +2.3)
▲ 734807 (+1.1, -0.1)
STRIP 4

\[ \begin{align*}
\Delta 819801 &\ (-0.9, +0.7) \\
\Delta 819802 &\ (0.0, 0.0) \\
\Delta 733310 &\ (+1.2, +5.0) \\
\Delta 733311. &\ (+0.8, +1.4) \\
\Delta 820801 &\ (0.0, 0.0) \\
\Delta 820802 &\ (-2.0, -0.8) \\
\Delta \text{PYRMID POINT, 1933} &\ (0.0, 0.0)
\end{align*} \]

\[ \begin{align*}
\Delta \text{Horizontal points used as control} \\
\Delta \text{Horizontal points used as checks}
\end{align*} \]
AEROTRIANGULATION SKETCH
SAN CLEMENTE ISLAND, CALIF.
PH-71C8
AUGUST, 1971

RATIO PHOTOGRAPH:
01:20000 color
01:15000 color
01:30000 infra-red
01:15000 infra-red
### Descriptive Report Control Record

**Map No.:** TP-00386  
**Job No.:** PH-7108  
**Geodetic Datum:** NA 1927  
**Originating Activity:** Coastal Mapping Division, AMC, Norfolk, Virginia

<table>
<thead>
<tr>
<th>Station Name</th>
<th>Source of Information (Index)</th>
<th>Coordinates in Feet</th>
<th>Geographic Position</th>
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<tbody>
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<td>MAIL POINT, 1933</td>
<td>Quad 821184 P. 1031</td>
<td>x=</td>
<td>(&lt;\phi&gt;) 32 53 07.430</td>
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<tr>
<td></td>
<td></td>
<td>y=</td>
<td>(&lt;\lambda&gt;) 118 31 08.806</td>
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**Computed by:** I. O. Neterer, Jr.  
**Date:** 9/29/71  
**Computation checked by:** J. Bulfer  
**Date:** 10/01/71

**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.*
31. **DELINEATION:**

Delineation was by the Wild B-8 stereoplotter, with 1:30,000 scale color photography. There was no field inspection prior to compilation. The photography was good.

32. **CONTROL:**

See the attached Photogrammetric Plot Report dated August 1971.

33. **SUPPLEMENTAL DATA:**

None.

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 water line was delineated from the photographs. The rocks and ledge limits were compiled from the infrared photos taken at MLLW and kelp limits from offshore color ratios.

36. **OFFSHORE DETAILS:**

No statement.

37. **LANDMARKS AND AIDS:**

No charted landmarks or aids were noted during compilation.
38. CONTROL FOR FUTURE SURVEYS:
None.

39. JUNCTIONS:
See the attached form 76-36B Item #5.

40. HORIZONTAL AND VERTICAL ACCURACY:
See Item 46.

46. COMPARISON WITH EXISTING MAPS:
A comparison has been made with the following USGS Quadrangle: SAN CLEMENTE ISLAND CENTRAL, CALIFORNIA, scale 1:24,000, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS:
A comparison has been made with the following National Ocean Survey Chart: No. 5111, scale 1:40,000, 7th edition, dated March 6, 1971.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:
None.

ITEMS TO BE CARRIED FORWARD:
None.

Submitted by:

Charles Blood
Cartographic Technician
August 10, 1972

Approved:

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

FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00386

Mail Point
Pacific Ocean
San Clemente Island
Seal Cove

Approved by:

Charles E. Harrington, C3x8
Chief Geographer
<table>
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<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
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**CONTROL STATIONS**

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<th>6. recoverable horizontal stations of less than third-order accuracy (Topographic stations)</th>
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<th>8. BENCH MARKS</th>
<th>9. PLOTTING OF SEXTANT FIXES</th>
<th>10. PHOTOGRAMMETRIC PLOT REPORT</th>
<th>11. DETAIL POINTS</th>
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**ALONGSHORE AREAS (Nautical Chart Data)**

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<tr>
<th>12. SHORELINE</th>
<th>13. LOW-WATER LINE</th>
<th>14. ROCKS, SHOALS, ETC.</th>
<th>15. BRIDGES</th>
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<th>16. AIDS TO NAVIGATION</th>
<th>17. LANDMARKS</th>
<th>18. OTHER ALONGSHORE PHYSICAL FEATURES</th>
<th>19. OTHER ALONGSHORE CULTURAL FEATURES</th>
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**PHYSICAL FEATURES**

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<tr>
<th>20. WATER FEATURES</th>
<th>21. NATURAL GROUND COVER</th>
<th>22. PLANETABLE CONTOURS</th>
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<tr>
<th>23. STEREOSCOPIC INSTRUMENT CONTOURS</th>
<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
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**CULTURAL FEATURES**

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<th>27. ROADS</th>
<th>28. BUILDINGS</th>
<th>29. RAILROADS</th>
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**BOUNDARIES**

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**MISCELLANEOUS**

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<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
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**REVIEWER**

R. White 8/72

**SUPERVISOR**

Albert C. Rauck, Jr.

**REMARKS**

Refer to Form 76-36C, Item 8.
FIELD EDIT REPORT
OPR-411-RA-1974

SAN CLEMENTE ISLAND, CALIFORNIA

TP-00385 thru TP-00391

NOAA SHIP RAINIER

CDR K. William Jeffers
Commanding
INTRODUCTION

Field edit was carried out by NOAA SHIP RAINIER Personnel on September 17, 18, 28, & 29, and October 1, 16, & 17, 1974. Work was carried out on shore and in the water by an 18' boston whaler.

Field edit was started at Pyramid Head and continued up the east side of San Clemente Island to Latitude 32°56'15"N, to junction with TP-00384, which was field edited by the Rainier in 1971 and 1973. Pyramid Cove and the west side of the island were field edited north to Latitude 32°55'00"N to junction with TP-00384.

Photographs used in the field edit are from job PH-7108, 1971. Height data on ledges and detached rocks is estimated. All times are referenced to 0° Longitude.

ADEQUACY OF COMPIlation

All rocks and offshore features are labeled on the field edit ozalids, and wherever possible, verified on the field photos. Compilation of the Mean High Water line was accurate on the shoreline manuscripts.

SHORELINE SUMMARIES

TP-00385, TP-00387 (northern part), TP-00388:

This group of manuscripts covers the east side of San
Clemente Island. Very few detached rocks exist along this shore, none being hazards to navigation. The kelp limit, on an average, extends from 75 to 100 meters offshore. No surf zone exists on this side of the island, and under calm weather conditions, a small boat can be landed anywhere. In most areas, the MHNL is at the base of the bluff.

TP-00390 and TP-00391

This area includes two 1:5,000 scale manuscripts of Pyramid Cove. The surf is moderate to high, with the kelp limit extending 500-600 meters in places. Many dangerous detached rocks exist offshore, especially on TP-00391. The shore is mostly rock ledges except for Pyramid Cove proper which is a clean, sandy beach.

TP-00386, TP-00387(southern part), TP-00389

This area includes the southwestern part of San Clemente Island. The shore from 400-500 meters is very foul with numerous detached rocks and heavy kelp.

AIDS TO NAVIGATION

The White-washed Rock charted on C&GS Chart 5111, on the tip of Pyramid Head should be charted as a Balanced Rock. The White-wash characteristics are no longer outstanding. The two Navy maintained lighted markers on the east side of the Island are no longer maintained. The southern of the two is down and the
northern one is about to go down. The Naval authorities on the Island informed the our field party that these would no longer be maintained. The two 5 ft. square "concrete structures" on the southeast side of the island should be charted as such.

The Chart letters and NOAA forms 76-40 included are self-explanatory. The forms and letters were prepared as per sections 7.6 and 7.8, respectively, of the Coast Pilot Manual, ED. 3, 1969.

Garth Stroble
LTJG, NOAA
REVIEW REPORT  
TP-00386  
SHORELINE  
August 15, 1978

61. GENERAL STATEMENT:

See Summary, which is pages 6a and 6b of this Descriptive Report.  
This map was compiled in the Norfolk Office.  
The field editor did not furnish any height data on the bluffs.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with H-9376 (RA-20-1-73).  H-9376 showed the following rocks which were not shown on this map since they could not be seen on photography.  1) Submerged rock at 32°54.9'  2) Two submerged rocks at 32°54.7'  3) Bare rock MHW at 32 52.95'.

This map showed the following which was not shown on H-9376.  1) Bare rock MHW at 32 54.25'  2) Bare rock MHW at 32 53.3'.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 18762, 1:40,000, scale, 10th edition, dated April 9, 1977.

The following were shown on Chart 18762 but could not be seen on photography and were not shown on this map.  1) Submerged rock at 32°54.9'  2) Two submerged rocks at 32°54.7'  3) Submerged rock at 32°52.75'  4) Wreck shown near shore at 32°52.8'  5) Two rocks at 32 51.4'.

The following were shown on this map but not on Chart 18762.  1) Bare rock at 32°53.05'  2) Bare rock at 32°52.95'  3) Wreck near shore at 32°51.95'.

66. ADTEQUACY 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:

J. L. Byrd
Final Reviewer

Approved for forwarding:

Arnold L. Shand
Acting Chief, Photogrammetric Branch, AMC

Approved:

John O. Perrow, Jr.
Chief, Photogrammetric Branch

Chief, Coastal Mapping Division
National Archives Data
for
Project PH-7108
San Clemente Island, Calif.

Discrepancy prints for maps TP-00382 thru TP-00391

Bridging data

Bridging photos: 71L 1733-1746 Prints, 71L 1752-1760 Prints
71L 1819-1822 Prints and Film positives
71L 1846-1850 Prints and Film pos.

Field edit ratios: 71L 1932, 1934, 1936, 1938, 1940, 71L C 1857,
1859-1864, 1867-1875
71L 1876-1879, 1882-1886, 71L 1821, 71L 1839,
1841, 1842, Matte 71L 1798R

Field records: Seven forms 152, four field edit reports, one field
specification report, 1 form 258
### 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.

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