**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-00382</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>
<td></td>
</tr>
</tbody>
</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>West Cove</td>
</tr>
</tbody>
</table>

**1971 TO 1973**

**REGISTRY IN ARCHIVES**

**DATE**

*☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901*
# Descriptive Report - Data Record

## Photogrammetric Office
Rockville, Maryland

### Officer-In-Charge
Jack Guth

## Instructions Dated

<table>
<thead>
<tr>
<th>1. Office</th>
<th>2. Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compilation</td>
<td>Premarking March 1, 1971</td>
</tr>
<tr>
<td>Aerotriangulation</td>
<td>11/17/71</td>
</tr>
<tr>
<td></td>
<td>7/16/71</td>
</tr>
</tbody>
</table>

### Datums

<table>
<thead>
<tr>
<th>1. Horizontal:</th>
<th>OTHER (Specify)</th>
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<tbody>
<tr>
<td>1927 North American</td>
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<table>
<thead>
<tr>
<th>2. Vertical:</th>
<th>OTHER (Specify)</th>
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<tbody>
<tr>
<td>Mean High-Water</td>
<td></td>
</tr>
<tr>
<td>Mean Low-Water</td>
<td></td>
</tr>
<tr>
<td>Mean Lower Low-Water</td>
<td></td>
</tr>
<tr>
<td>Mean Sea Level</td>
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</table>

### Map Projection
Polyconic

### Scale
1:10,000

### Grid(s)

<table>
<thead>
<tr>
<th>State</th>
<th>Zone</th>
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<tbody>
<tr>
<td>California</td>
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## History of Office Operations

<table>
<thead>
<tr>
<th>OPERATIONS</th>
<th>NAME</th>
<th>DATE</th>
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<tbody>
<tr>
<td>1. Aerotriangulation</td>
<td>D. Norman</td>
<td>8/71</td>
</tr>
<tr>
<td>Method: Analytical</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Landmarks and Aids by</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Control and Bridge Points</td>
<td>P. Dempsey</td>
<td>8/71</td>
</tr>
<tr>
<td>Method: Plotted by</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Checked by</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. Stereoscopic Instrument</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>Compilation</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>Instrument: Wild B-8</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Scale: 1:15,000</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>4. Manuscript Delineation</td>
<td>P. Dempsey</td>
<td>8/71</td>
</tr>
<tr>
<td>Method: Smooth Drafted</td>
<td>Unknown</td>
<td></td>
</tr>
<tr>
<td>Checked by</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>5. Office Inspection Prior to Field Edit</td>
<td>Rockville</td>
<td></td>
</tr>
<tr>
<td>Checked by</td>
<td></td>
<td></td>
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<tr>
<td>6. Application of Field Edit Data</td>
<td>R. R. White</td>
<td>12/73</td>
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<tr>
<td>Checked by</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Compilation Section Review</td>
<td>J. L. Byrd</td>
<td>8/75</td>
</tr>
<tr>
<td>Checked by</td>
<td>Jim Byrd</td>
<td>8/75</td>
</tr>
<tr>
<td>8. Final Review</td>
<td>J. L. Byrd</td>
<td>7/78</td>
</tr>
<tr>
<td>9. Data Forwarded to Photogrammetric Branch</td>
<td>J. L. Byrd</td>
<td>9/78</td>
</tr>
<tr>
<td>10. Data Examined in Photogrammetric Branch</td>
<td>E. Wight</td>
<td>4/78</td>
</tr>
<tr>
<td>11. Map Registered - Coastal Survey Section</td>
<td>R. Gater</td>
<td>12/78</td>
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1. Compilation Photography

<table>
<thead>
<tr>
<th>Camera(s)</th>
<th>Types of Photography Legend</th>
<th>Time Reference</th>
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<tr>
<td>Wild RC-8 &quot;L&quot;</td>
<td>(C) Color</td>
<td>Zone: Pacific</td>
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<tr>
<td></td>
<td>(P) Panchromatic</td>
<td>Meridian: 120th</td>
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<tr>
<td></td>
<td>(I) Infrared</td>
<td>Standard/Daylight</td>
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<table>
<thead>
<tr>
<th>Tide Stage Reference</th>
<th>Number and Type</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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<tbody>
<tr>
<td>Predicted Tides</td>
<td>71L(C) 1863 - 1864</td>
<td>3/06/71</td>
<td>12:10</td>
<td>1:20,000</td>
<td>0.7 ft. below MLLW</td>
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<tr>
<td>Reference Station Records</td>
<td>71L(C) 1867 thru 1869</td>
<td>3/06/71</td>
<td>12:18</td>
<td>1:20,000</td>
<td>0.8 ft. below MLLW</td>
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<td>Tides Controlled Photography</td>
<td>71L(C) 1744 thru 1746</td>
<td>3/06/71</td>
<td>10:10</td>
<td>1:30,000</td>
<td>0.6 ft. above MLLW</td>
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Remarks:
- Ref. Sta. Los Angeles (Outer Harbor)
- Sub. Sta. Wilson Cove, San Clemente Island

2. Source of Mean High-Water Line:

Above listed photography

3. Source of Mean Lower Low-Water Line:

Above listed photography

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>
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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>No Survey</td>
<td>TP-00383</td>
<td>No Survey</td>
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Remarks:
A compilation report for this manuscript was not written.
**HISTORY OF FIELD OPERATIONS**

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>RECOVERED BY</td>
<td>R. B. Melby</td>
<td>2/71</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>ESTABLISHED BY</td>
<td>L. L. Riggers</td>
<td>2/71</td>
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<tr>
<td></td>
<td>PRE-MARKED OR IDENTIFIED BY</td>
<td>None</td>
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<td>3. VERTICAL CONTROL</td>
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<td></td>
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<tr>
<td>4. LANDMARKS AND AIDS TO NAVIGATION</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>ESTABLISHED</td>
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<td></td>
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<td></td>
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**SOURCE DATA**

<table>
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<tr>
<th>PHOTO NUMBER</th>
<th>STATION NAME</th>
<th>PHOTO NUMBER</th>
<th>STATION DESIGNATION</th>
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</thead>
<tbody>
<tr>
<td>7IL-1746</td>
<td>NORTH HEAD, 1860</td>
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3. PHOTO NUMBERS (Clarification of details)

None

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)

None


**NOAA FORM 76-35C**  
U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

**TP-00382**  
HISTORY OF FIELD OPERATIONS

### I. FIELD INSPECTION OPERATION  
- **.operation**:  
  - **Chief of Field Party**: R. Lanier  
  - **Date**: 9/71

### II. SOURCE DATA

#### 1. HORIZONTAL CONTROL IDENTIFIED
- **Name**: None

#### 2. VERTICAL CONTROL IDENTIFIED
- **Name**: NA

#### 3. LANDMARKS AND AIDS TO NAVIGATION
- **Recovered (Triangulation Stations)**: None
- **Located (Field Methods)**: None
- **Identified by**: None

#### 4. PHOTO INSPECTION
- **Clarification of Details by**: W. Turnaclipf  
- **Date**: 9/71

#### 5. BOUNDARIES AND LIMITS
- **Surveyed or Identified by**: NA

#### II. SOURCE DATA

#### 1. HORIZONTAL CONTROL IDENTIFIED
- **Name**: None

#### 2. VERTICAL CONTROL IDENTIFIED
- **Name**: NA

#### 3. PHOTO NUMBERS (Clarification of details)
- **71L(C) 1863, 1864**

#### 4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED
- **Name**: None

#### 5. GEOGRAPHIC NAMES
- **Type of Investigation**: None
- **Specific Names Only by**: NO INVESTIGATION

#### 6. BOUNDARY AND LIMITS
- **Report**: None

#### 7. SUPPLEMENTAL MAPS AND PLANS
- **Name**: None

#### 8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)
- **Name**: Field Edit Ozalid and Field Edit Report
### HISTORY OF FIELD OPERATIONS

<table>
<thead>
<tr>
<th>OPERATION</th>
<th>NAME</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. CHIEF OF FIELD PARTY</td>
<td>G. Haraden</td>
<td>4/73</td>
</tr>
<tr>
<td>2. HORIZONTAL CONTROL</td>
<td>None</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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**TYPE OF INVESTIGATION**

- [ ] COMPLETE
- [ ] SPECIFIC NAMES ONLY
- [x] NO INVESTIGATION

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<tr>
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<th>CLARIFICATION OF DETAILS</th>
<th>L. Mordock</th>
<th>4/73</th>
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**SOURCE DATA**

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<tr>
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<tr>
<td>None</td>
<td>NA</td>
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</table>

**PHOTO NUMBERS (Clarification of details)**

71L(C) 1868, 1869 and 1870

**LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED**

None

**SUPPLEMENTAL MAPS AND PLANS**

None

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

1. Form 567
2. Field Edit Ozalid and Field Edit Report
### I. MANUSCRIPT COPIES

<table>
<thead>
<tr>
<th>Data Compiled</th>
<th>Compilation Stage</th>
<th>Date</th>
<th>Remarks</th>
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<tr>
<td>Compilation complete, pending field edit.</td>
<td>Battley</td>
<td>6/72</td>
<td>Class III Manuscript Superseded</td>
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<tr>
<td>Partial field edit applied.</td>
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<td>12/73</td>
<td>Class I Manuscript</td>
</tr>
<tr>
<td>Field edit applied, Compilation complete.</td>
<td></td>
<td>8/75</td>
<td>3/06/75</td>
</tr>
<tr>
<td>Application to field edit checked.</td>
<td></td>
<td>8/75</td>
<td>9/30/75</td>
</tr>
<tr>
<td>Compilation Section Review</td>
<td></td>
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### II. LANDMARKS AND AIDS TO NAVIGATION

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

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<th>Chart Letter Number Assigned</th>
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<th>Remarks</th>
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<td></td>
<td>3/03/75</td>
<td>Aid for deletion.</td>
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<tr>
<td>2</td>
<td></td>
<td></td>
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</tbody>
</table>

### III. FEDERAL RECORDS CENTER DATA

1. [ ] Bridging Photographs; [ ] Duplicate Bridging Report; [ ] Computer Readouts.
2. [ ] Control Station Identification Cards; [ ] Form Nos. 331 Submitted by Field Parties.
3. [ ] Source Data (except for Geographic Names Report) As Listed in Section II, NOAA Form 76-36C. Account For Exceptions:

### IV. SURVEY EDITIONS

- **SECOND EDITION**
  - Survey Number: TP -
  - Job Number: PH -
  - Type of Survey: [ ] Revised [ ] Resurvey
  - Map Class: [ ] II. [ ] III. [ ] IV. [ ] V. [ ] Final

- **THIRD EDITION**
  - Survey Number: TP -
  - Job Number: PH -
  - Type of Survey: [ ] Revised [ ] Resurvey
  - Map Class: [ ] II. [ ] III. [ ] IV. [ ] V. [ ] Final

- **FOURTH EDITION**
  - Survey Number: TP -
  - Job Number: PH -
  - Type of Survey: [ ] Revised [ ] Resurvey
  - Map Class: [ ] II. [ ] III. [ ] IV. [ ] V. [ ] Final
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 observation 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-00382

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.
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, PNC 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 CLEMENTE ISLAND N.E., 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

△ 819801 (-0.9, +0.7)
△ 819802 (0.0, 0.0)
△ 733310 (+1.2, +5.0)
△ 733311. (+0.8, +1.4)
△ 820801 (0.0, 0.0)
△ 820802 (-2.0, -0.8)
△ PYRMID POINT, 1933 (0.0, 0.0)

△ Horizontal points used as control
△ Horizontal points used as checks
AEROTRIANGULATION SKETCH
SAN CLEMENTE ISLAND, CALIF.
PH-7108
AUGUST, 1971
BRIDGING PHOTOGRAPHY
• 1:30,000 color
• 1:15,000 color
AEROTRIANGULATION SKETCH
SAN CLEMENTE ISLAND, CALIF.
PH-7166
AUGUST, 1971

RATIO PHOTOGRAPHY
C 1:20000 color
0 1:15000 color
□ 1:20000 infra-red
■ 1:50000 infra-red
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<th>AEROTRIANGULATION POINT NUMBER</th>
<th>COORDINATES IN FEET</th>
<th>GEOGRAPHIC POSITION</th>
<th>REMARKS</th>
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<tr>
<td>DRIGGS, 1933</td>
<td>Quad 331183 P. 1007</td>
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<td>33 00 55.685</td>
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<td>LOW, 1933</td>
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<td>NORTH HEAD, 1860</td>
<td>Quad 331183 P. 1018</td>
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<td>NORTH HEAD LIGHT, 1940</td>
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<td>REAR NORTH RANGE, 1940</td>
<td>Quad 331183 P. 1040</td>
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<td>FRONT NORTH RANGE, 1940</td>
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 COMPUTED BY T. J. Bulfer DATE 9/24/71 COMPUTATION CHECKED BY L. O. Neterer, Jr. DATE 9/24/71
 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.
COMPILATION REPORT

Map Manuscripts: TP-00382 – TP-00385

Maps TP-00382 – TP-00385 were originally compiled as Class III in the Rockville Office. No data records or compilation reports for these maps were forwarded to AMC.
GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00382

Castle Rock
Northwest Harbor
Pacific Ocean
San Clemente Island
The Isthmus
West Cove

Approved by:

[Signature]

Charles E. Harrington, C3x8
Chief Geographer
# PHOTOMETRIC OFFICE REVIEW

## TP - 00382

<table>
<thead>
<tr>
<th>1. PROJECTION AND GRIDS</th>
<th>2. TITLE</th>
<th>3. MANUSCRIPT NUMBERS</th>
<th>4. MANUSCRIPT SIZE</th>
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<th>6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations)</th>
<th>7. PHOTO HYDRO STATIONS</th>
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### ALONGSHORE AREAS (Nautical Chart Data)

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<tr>
<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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### PHYSICAL FEATURES

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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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### AID TO NAVIGATION

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<th>16. AID 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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### WATER FEATURES

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<th>20. WATER FEATURES</th>
<th>21. NATURAL GROUND COVER</th>
<th>22. PLANETABLE CONTOURS</th>
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<th>24. CONTOURS IN GENERAL</th>
<th>25. SPOT ELEVATIONS</th>
<th>26. OTHER PHYSICAL FEATURES</th>
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<th>27. ROADS</th>
<th>28. BUILDINGS</th>
<th>29. RAILROADS</th>
<th>30. OTHER CULTURAL FEATURES</th>
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<th>32. PUBLIC LAND LINES</th>
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### MISCELLANEOUS

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<th>35. LEGIBILITY OF THE MANUSCRIPT</th>
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### DISCREPANCY OVERLAY

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<th>36. DISCREPANCY OVERLAY</th>
<th>37. DESCRIPTIVE REPORT</th>
<th>38. FIELD INSPECTION PHOTOGRAPHS</th>
<th>39. FORMS</th>
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### REVIEWER

<table>
<thead>
<tr>
<th>Jim Byrd</th>
<th>8/75</th>
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</table>

### SUPERVISOR

<table>
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<tr>
<th>Albert C. Rauck, Jr.</th>
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### REMARKS

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<th>40. REVIEWER</th>
<th>41. REMARKS (See attached sheet)</th>
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<td>Jim Byrd</td>
<td>Refer to Form 76-360's, Item 8.</td>
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### COMPILER

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<th>R. R. White</th>
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### SUPERVISOR

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<th>8/75</th>
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### SUPERVISOR

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<tr>
<th>Albert C. Rauck, Jr.</th>
</tr>
</thead>
</table>

### REMARKS

| Refer to Form 76-360's, Item 8. |

### SUPERVISOR

| Albert C. Rauck, Jr. |
FIELD EDIT REPORT
OPR-411    1971
TP-00382, TP-00383, TP-00384
SAN CLEMENTE ISLAND, CALIFORNIA

NOAA Ship RAINIER

Roger F. Lanier
CAPT, NOAA
Commanding
INTRODUCTION:

The field edit of map manuscripts TP-00382, TP-00383, and TP-00384 was accomplished in two parts. It was started on September 14, 1971, by ENS W. F. Turnaclub, Mr. L. L. Riggers, and CST P.T. Woodard, and completed September 18, 1971, by ENS W. F. Turnaclub and CST P. T. Woodard. Supplementary work was performed on November 16, 1971 by ENS W. F. Turnaclub.

It should be noted that all field edit was done on the eastern and northeastern shore of San Clemente Island and no work was done on the western shore.

METHODS:

The field edit was started on field edit ozalid TP-00384, on the east side of San Clemente Island at latitude 32° 56.5'N and longitude 118° 30.2'W and proceeded north. Additions and deletions in this area are indicated on field edit ozalids TP-00384, TP-00383, and TP-00382 and on the seven accompanying photos.

The field edit was performed on regular ozalid prints instead of discrepancy prints since the discrepancy prints had not been received at the time. After the discrepancy prints arrived, it was noted that some items requested had not been accomplished, but due to operational requirements, no additional work was scheduled.

The U.S. Navy has many mooring buoys near Wilson Cove and in the area just south of the cove. All of these buoys were located during the hydrographic survey and their C.P.'s are listed in the appendix. However, it should be noted that the U.S. Navy is constantly moving and adding buoys.

The field edit was conducted from a small boat to afford easy landing. Values given for heights of rock were estimated. The MHWL was adequately delineated on the manuscripts. Steep bluffs extend to the water's edge in most areas and therefore no measurements were taken to the MHWL.
ADEQUACY OF COMPILATION:

The manuscript compilation appeared to be adequate, except for the lack of interior features. It is expected that the interior details will be shown on the advance manuscript.

DISCUSSION OF FIELD EDIT:

TP-00384

The field edit of this manuscript was accomplished on three photo's: 71L1857, 71L1859, and 71L1860. The light at latitude 32° 58.5'N and longitude 118° 31.9'W was not identified because the field edit ozalid was not received in time for the field edit. The foreshore area generally consists of rocks and pebbles with occasional boulders beneath a steep bluff. The general location of FORACS Light SOUTH 1, a U.S. Navy light shown for special operations only, is shown on photo 71L1861. The position of this light is listed under TARGET COORDINATES (USN) which is included in the appendix.

TP-00383

Joining TP-00384 to the north and continuing north along San Clemente Island is TP-00383. The field edit of this manuscript was accomplished on three photos: 71L1861, 71L1862, and 71L1863. An inspection was made for the "dune" in the area of latitude 33° 01.4'N and longitude 118° 33.8'W. No dune or evidence of a dune existing in the past was found.

FORACS Lights MID & NORTH, steady white lights, were identified on photo 71L1862. These lights, located atop small white buildings, are shown during special operations only. The positions of these lights are listed under TARGET COORDINATES (USN) which is included in the appendix.

Both front and rear range lights on Wilson Cove pier were pricked direct on photo 71L1862. A siren is on the pier directly underneath the front range light.

Wilson Cove Light, identified on photo 71L1861, was rebuilt in 1936. The stadia traverse run through Wilson Cove (see report Stadia Traverse to Accompany H-924)
(RA-5-1-71), OPR-411, NOAA Ship RAINIER, 1971) indicated that this light was rebuilt at the same location as the light which was located in 1933.

TP-00382
Joining field edit ozalid TP-00383 to the west and continuing around the northern tip of San Clemente Island is field edit ozalid TP-00382. Two photos, 71L1863 and 71L1864, were used in the field edit. There appeared to be underwater obstructions installed by the military on the beach approach in the area of latitude 33° 01.7'N and longitude 118° 35.3'W.

The time reference for the entire field edit was 105°W. The field edit ended at latitude 33° 02.0'N and longitude 118° 35.45'W.

RECOMMENDATIONS:

1. The light in latitude 32° 58.5'N and longitude 118° 31.9'W should be photoidentified when the field edit of the western shoreline of San Clemente Island is accomplished on TP-00384.

2. Photoidentification of the mile markers, requested on the discrepancy print of TP-00383, should be accomplished when additional field edit work is done on the island.

Respectfully submitted,

Wayne F. Turnacliff
LTJG, NOAA
FIELD EDIT REPORT

OPR-411, 1973

T-00382
T-00383

SAN CLEMENTE ISLAND, CALIFORNIA

NOAA Ship RAINIER

CAPT. G. E. HARADEN
Commanding
INTRODUCTION-METHODS

Field edit was accomplished on 11 and 12 April by personnel of the NOAA Ship RAINIER. Work was performed from shore and from a motor whaleboat.

The field edit started approximately 1 mile south of West Cove, San Clemente Island, and extended northward to Northwest Harbor where it joined the 1971 RAINIER edit. Editing was completed on manuscript T-00382.

All additions and corrections were noted in white and/or orange on the field photographs. Photographs used in the edit were from job PH-7108. Values given for heights of rocks were estimated. All time references were made to 120° west longitude.

ADEQUACY OF COMPILATION

Compilation of the MIML on edited manuscripts was excellent. Compilation of off-shore features was good. Time and height data for all rocks is on the photographs, and does not appear on the manuscripts. Reference is made on the manuscripts to applicable photographs.

DISCUSSION AND RECOMMENDATIONS

T-00382

The shoreline on the portion of this manuscript edited in 1973 is primarily rocky, foul, and laden with surf. One sandy beach where boat landings are possible in good weather exists on the west side (see photograph 7l-L-1869). Just north of the sandy beach is a rock beach where landings may also be made. The beach extending southerly from Castle Rock for one mile is particularly foul with many ledges, rocks, and heavy surf. Likewise the beach from Castle Rock to the low lying island of the northernmost point of the island is rocky and foul. Anchorage is very good in West Cove.

Particular note should be made of three rocks awash in Latitude 33° 02' 14" N., Longitude 118° 36' 30" W. These rocks are definite hazards to navigation. Likewise the rock ledge between Castle Rock and San Clemente Island is hazardous; small craft should pass well out and around Castle Rock.

Heavy kelp exists in many areas and is delineated on the field ozalid T-00382. There are two mooring buoys in Northwest Harbor; the detached positions may be found in the appendix.

Respectfully submitted,

Larry W. Mordock
LCDR, NOAA
<table>
<thead>
<tr>
<th>CHARTING NAME</th>
<th>DESCRIPTION</th>
<th>LATTITUDE</th>
<th>LONGITUDE</th>
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<td>TOWER</td>
<td>Airfield Control Tower, Red and White Checked, Fixed Red Lights on Top.</td>
<td>33-01</td>
<td>590 118-35 35</td>
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- **Datum**: N.A. 1927
- **Method and Date of Location**: 71L(C)1869 Mar. 6, 1971; F-1-6-L Feb. 1973
- **Charts Affected**: 5111 5118
**PHOTOGRAMMETRIC FIELD POSITIONS ARE DEPENDENT ON PHOTOGRAPHY.**

8-12-75

**EXAMPLE:** V-9, V-15, V-4, and V-2

**POSITION VERIFIED VISUALLY ON PHOTOGRAPHS.**

**EXAMPLE:** Trilong, Rec., V-11, V-15, V-4, and V-2

**TRIANGULATION STATION ACQUIRED.**

7-4(C)(928)

**EXAMPLE:** P-8, V-4

The field position is determined by field observer.

**FIELD POSITION IS RECORD BY METHOD OF**

EXAMPLE: F-2-6-7-1

A. FIELD POSITION RECORDED ENTIRELY UPON ADJACENT SURVEY WORK.

1. FIELD IDENTIFIED
2. V-9
3. INTERSECTION
4. TRAVELING
5. FIELD IDENTIFIED
6. TRAVELING
7. FIELD IDENTIFIED
8. V-9

**VISUAL CHECK:**

**FIELD:**

8-12-75

**EXAMPLE:** 75E&2642

Identify and locate the object.

**OFFICE IDENTIFIED AND LOCATED OBJECT:**

1. OFFICE IDENTIFIED AND LOCATED OBJECTS

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

| ACTIVITY | QUALITY CONTROL AND REVIEW GROUP | REVIEWER | OFFICE ACTIVITY REPRESENTATIVE | FIELD ACTIVITY REPRESENTATIVE | OTHERS (CLASS)
| --- | --- | --- | --- | --- | ---
| MAKE | | | | |
| TYPE OF ACTION | | | | | |

**RESPONSIBLE PERSONAL:**

**FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP:**

- POSITION DETERMINED AND/or VERIFIED
- OBJECTS INSPECTED FROM SEAWARD
- OBJECTS INSPECTED FROM SEAWARD
- OBJECTS INSPECTED FROM SEAWARD
- OBJECTS INSPECTED FROM SEAWARD
- OBJECTS INSPECTED FROM SEAWARD
- OBJECTS INSPECTED FROM SEAWARD
REVIEW REPORT TP-00382

SHORELINE

July 11, 1978

61. GENERAL STATEMENT:

See Summary, which is pages 6a and 6b of this Descriptive Report.

This map was compiled in the Rockville office on a "crash basis". The March, 1971 tide controlled MLLW infrared photography was not used for shoreline and rock delineation. The hydro support offshore color photography was used instead. This presented no major problems.

The field edit ozalid mentioned in 1973 field edit report showing kelp limits was not found, therefore, limits of kelp were not shown on this map. The compilation office and the field editors omitted some charted bluffs. The field editor did not furnish any bluff heights.

San Clemente Island Light (North Head Light, 1940) shown on Charts 18763 and 18762 verified by a field control party in February, 1971, but neither the field editor in September, 1971, nor in April, 1973 verified or located this light, but the 1973 field edit used North Head Light, 1940 as a signal No. 106. The compilation office in February, 1975 erroneously sent in a 76-40 Form to be deleted stating the light was not listed in the 1975 Light list. This statement was in error. San Clemente Island Light is in the 1975, 1976, 1977 light list and has been in existence since 1934. This light was shown on this map.

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-9247 (RA-10-3-71) Rock and West Cove, H-9247 showed six rocks as shown using determined tides; whereas, on the Class I map they were shown submerged using predicted tides. They were removed from this map to avoid conflict. Also, at approximate lat. 33°01.9', long. 118°36.2' The Class I map showed a rock elevation of 3' whereas H-9247 showed an elevation of 1'.

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 18763, 1:20,000 scale, 6th edition,

The Military Airport at approximate lat. 33°01.1' running from SW to NE was not shown on charts 18763, and 18762.

The Note "Underwater Obstructions on Beach Approach" was not shown on either Chart 18763 or Chart 18762 off of sandy beach in Northwest Harbor. Three rocks at approximate lat. 33°01.3', long. 118°36.4' shown on Charts 18763 and 18762, could not be seen on photographs and were not shown on this map.

One rock at approximate lat. 33°01.9' long. 118°36.7' on Charts 18763 and 18762, could not be seen on photographs and was not shown on this map. Numerous Bluffs were shown on the Charts that were not shown on this map. (See item #61 of this Review Report.)

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the project instructions except for the fact that the March 1971 tide controlled MLLW infrared was not used for shoreline and rock delineation. The hydro support offshore color photography (at MLLW) was used instead. This presented no special problems. (See item #61 of this Review Report).

This map meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

J. L. Byrd
Final Reviewer

Approved for forwarding:

Arnold D. Shank
Acting Chief, Photogrammetric Branch, AMG

Approved:

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
specation 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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<td>18762</td>
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<td>18740</td>
<td>8/30/79</td>
<td>Hamilton</td>
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