

# TP-00389

ORIGINAL

TP-00389

NOAA FORM 76-35

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

## DESCRIPTIVE REPORT

Type of Survey ..... Shoreline  
Job No. .... PH-7108 ..... Map No. TP-00389...  
Classification No. Final ..... Edition No. ..1.....  
Field Edited Map

### LOCALITY

State ..... California  
General Locality ..... San Clemente Island  
Locality ..... China Point

1971 TO 1974

### REGISTRY IN ARCHIVES

DATE .....

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																									
<b>DESCRIPTIVE REPORT - DATA RECORD</b>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED																	
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PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA OFFICER-IN-CHARGE  Jeffrey G. Carlen, Cdr., NOAA		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TP. <u>00389</u></td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS <u>Final</u></td> </tr> <tr> <td colspan="2">JOB PH. <u>7108</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td colspan="2">JOB PH. _____</td> </tr> <tr> <td colspan="2">MAP CLASS _____</td> </tr> <tr> <td colspan="2">SURVEY DATES: 19__ TO 19__</td> </tr> </table>		SURVEY TP. <u>00389</u>		MAP EDITION NO. (1)		MAP CLASS <u>Final</u>		JOB PH. <u>7108</u>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY		<input type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED		JOB PH. _____		MAP CLASS _____		SURVEY DATES: 19__ TO 19__	
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JOB PH. _____																											
MAP CLASS _____																											
SURVEY DATES: 19__ TO 19__																											
I. INSTRUCTIONS DATED																											
1. OFFICE		2. FIELD																									
Aerotriangulation Compilation		<div style="display: flex; justify-content: space-between;"> <span>7/16/71</span> <span>11/17/71</span> </div> Premarking March 1, 1971																									
II. DATUMS																											
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN		OTHER (Specify)																									
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL		OTHER (Specify)																									
3. MAP PROJECTION  Polyconic		4. GRID(S) STATE <u>California</u> ZONE <u>6</u>																									
5. SCALE <u>1:10,000</u>		STATE _____ ZONE _____																									
III. HISTORY OF OFFICE OPERATIONS																											
OPERATIONS		NAME	DATE																								
1. AEROTRIANGULATION BY METHOD: <u>Analytical</u> LANDMARKS AND AIDS BY		D. Norman	8/71																								
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY		D. Phillips	8/71																								
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY INSTRUMENT: <u>Wild B-8</u> CONTOURS BY SCALE: <u>1:15,000</u> CHECKED BY		L. O. Neterer, Jr.	7/72																								
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY METHOD: <u>Smooth drafted</u> CONTOURS BY CHECKED BY SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY CHECKED BY		R. R. White	8/72																								
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		C. E. Blood	8/72																								
6. APPLICATION OF FIELD EDIT DATA BY		D. P. Butler	2/75																								
7. COMPILATION SECTION REVIEW BY		J. Byrd	9/75																								
8. FINAL REVIEW BY		J. Byrd	9/78																								
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. Byrd	9/78																								
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		<u>F. Wright</u>	11/79																								
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		<u>R. T. Catlett</u>	12/78																								

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00389  
COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
<input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
*71L(C) 1884 thru 1888	3/06/71	12:25	1:20,000	0.9 ft. below MLLW	
**71L(C) 1758 and 1759	3/06/71	10:20	1:30,000	0.5 ft. above MLLW	
71L(C) 1842	3/06/71	11:48	1:15,000	0.6 ft. below MLLW	
71L(I) 1786-1788	3/06/71	10:47	1:30,000	0.1 ft. above MLLW	

## 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 HIGH-WATER LINE~~ MEAN LOWER LOW-WATER LINE:

Tide controlled infrared photography at MLLW.  
 Date of Photography: March 6, 1971

## 4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

## 5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00387	TP-00390 1:5,000	No Survey	No Survey

## REMARKS

TP-00389

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	2/71
2. HORIZONTAL CONTROL	RECOVERED BY L. L. Riggers	2/71
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. L. Riggers	2/71
3. VERTICAL CONTROL	RECOVERED BY NA	
	ESTABLISHED BY NA	
	PRE-MARKED OR IDENTIFIED BY NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION	
	<input type="checkbox"/> COMPLETE	
	<input type="checkbox"/> SPECIFIC NAMES ONLY	
	<input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

71L(C) 1759 CHINA POINT SOUTH BASE, 1947

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

5. GEOGRAPHIC NAMES:

☐ REPORT☒ NONE

6. BOUNDARY AND LIMITS:

☐ REPORT☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

TP-00389  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	K. Jeffers	9-10/74
2. HORIZONTAL CONTROL	G. Stroble	9-10/74
RECOVERED BY	None	
ESTABLISHED BY	None	
PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	NA	
RECOVERED BY	NA	
ESTABLISHED BY	NA	
PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	G. Stroble	9/74
RECOVERED (Triangulation Stations) BY	None	
LOCATED (Field Methods) BY	None	
IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION		
TYPE OF INVESTIGATION		
<input type="checkbox"/> COMPLETE		
<input type="checkbox"/> SPECIFIC NAMES ONLY		
<input checked="" type="checkbox"/> NO INVESTIGATION		
6. PHOTO INSPECTION	G. Stroble	9/74
CLARIFICATION OF DETAILS BY	NA	
7. BOUNDARIES AND LIMITS	NA	
SURVEYED OR IDENTIFIED BY		

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

71L(C) 1842, 1884, 1885 and 1886

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

1 Field Edit Ozalid and Field Edit Report  
1 Form 76-40

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00389  
RECORD OF SURVEY USE

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete, pending field edit.	8/72	Class III Manuscript Superseded	9/08/72	9/06/72
Field edit applied. Compilation complete.	2/75	Class I Manuscript	3/06/75	
Comp. Section Review	9/75	Class I Manuscript	9/30/75	
Final Review	9/78	Final	9/15/78	

## II. LANDMARKS AND AIDS TO NAVIGATION

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

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		3/03/75	Aid for charts.

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.  
 ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: \_\_\_\_\_

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

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

TP-00382 TP-00383

TP-00384 TP-00385

TP-00386 TP-00387 TP-00388

TP-00389 TP-00390 TP-00391

Official Mileage for Cost Accounts.

Sheet No.	Sq. Miles
TP- 00382	3
TP- 00383	2
TP- 00384	5
TP- 00385	1
TP- 00386	2
TP- 00387	4
TP- 00388	2
TP- 00389	2
TP- 00390	2
TP- 00391	1
<b>Total</b>	<b>24</b>

JOB PH-7108  
 SAN CLEMENTE ISLAND  
 CALIFORNIA  
 SHORELINE MAPPING  
 SCALE: 1:5,000 & 1:10,000

## 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-00389

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.

2  
7b

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:

William Specht (technical assistant to Commanding Officer, San Clemente Island, U. S. Navy. Phone (213) 449-7011, Extension 380 - San Clemente Island).

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,

*Robert B. Melby*

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*

Don O. Norman

Approved and Forwarded:

*Henry P. Eichert*

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.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

△ 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.

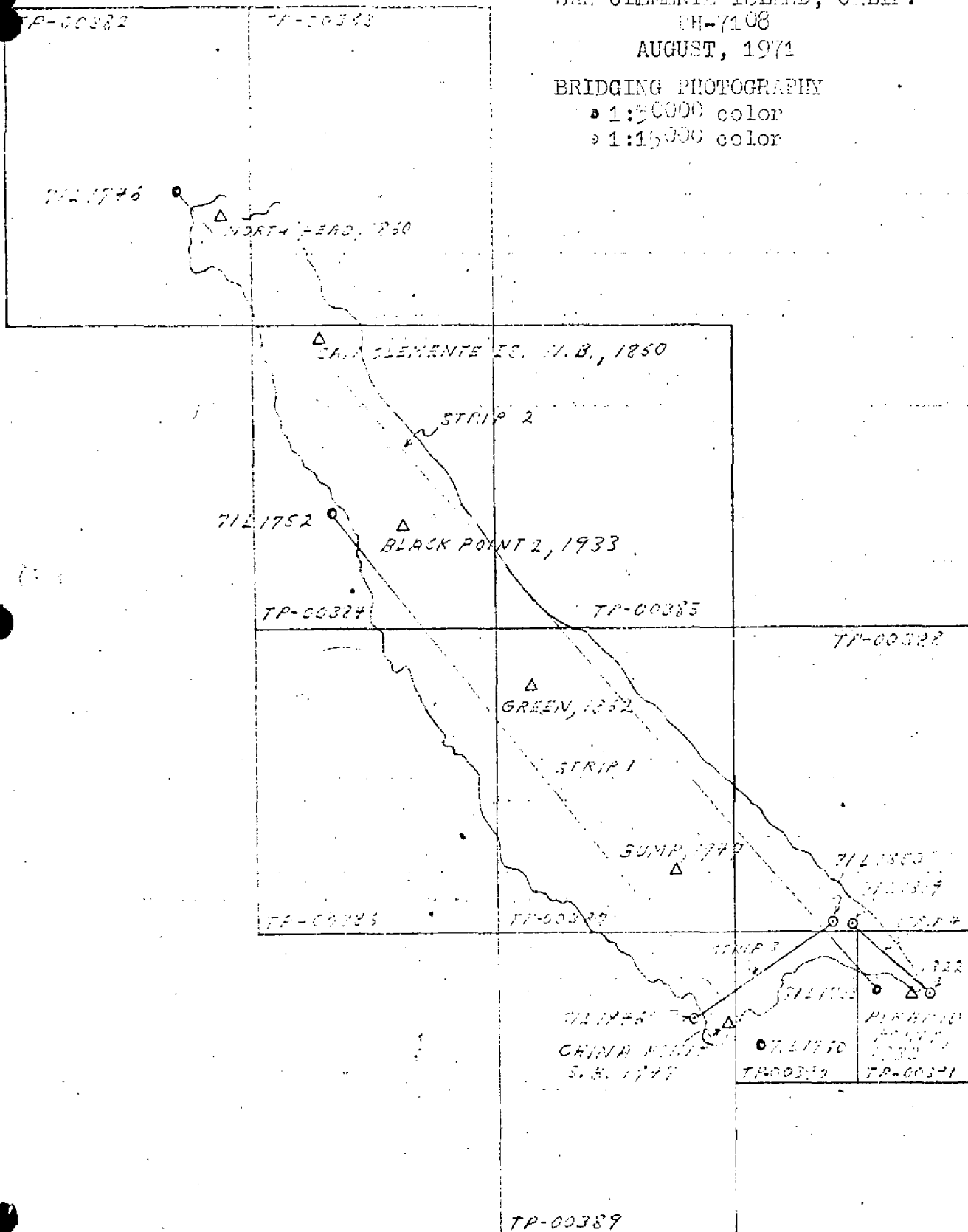
PH-7108

AUGUST, 1971

BRIDGING PHOTOGRAPHY

• 1:50000 color

• 1:15000 color





## COMPILATION REPORT

TP-00389

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 scale color photography.

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, using the infrared photos taken at MLLW.

36. OFFSHORE DETAILS:

None.

37. LANDMARKS AND AIDS:

Compilation office prepared work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See the attached Form 76-36B, Item #5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with the following USGS Quadrangle: SAN CLEMENTE ISLAND SOUTH, 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:

*David P. Butler*

David P. Butler  
Cartographic Aid  
February 6, 1975

Approved:

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

July 11, 1978

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00389

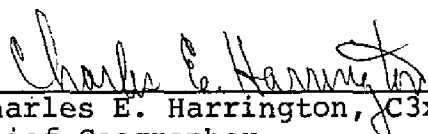
China Point

Cove Point

Pacific Ocean

San Clemente Island

Approved by:

  
Charles E. Harrington, JC3x8  
Chief Geographer

NOAA FORM 75-74  
(7-75)U.S. DEPARTMENT OF COMMERCE  
NOAA  
NATIONAL OCEAN SURVEY

## PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00389

1. PROJECTION AND GRIDS CEB	2. TITLE CEB	3. MANUSCRIPT NUMBERS CEB	4. MANUSCRIPT SIZE CEB
<b>CONTROL STATIONS</b>			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY CEB	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES NA	10. PHOTOGRAMMETRIC PLOT REPORT CEB	11. DETAIL POINTS CEB
<b>ALONGSHORE AREAS (Nautical Chart Data)</b>			
12. SHORELINE CEB	13. LOW-WATER LINE CEB	14. ROCKS, SHOALS, ETC. CEB	15. BRIDGES CEB
16. AIDS TO NAVIGATION CEB	17. LANDMARKS CEB	18. OTHER ALONGSHORE PHYSICAL FEATURES CEB	19. OTHER ALONGSHORE CULTURAL FEATURES CEB
<b>PHYSICAL FEATURES</b>			
20. WATER FEATURES CEB	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES CEB
<b>CULTURAL FEATURES</b>			
27. ROADS CEB	28. BUILDINGS CEB	29. RAILROADS CEB	30. OTHER CULTURAL FEATURES CEB
<b>BOUNDARIES</b>			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
<b>MISCELLANEOUS</b>			
33. GEOGRAPHIC NAMES CEB	34. JUNCTIONS CEB		35. LEGIBILITY OF THE MANUSCRIPT CEB
36. DISCREPANCY OVERLAY CEB	37. DESCRIPTIVE REPORT CEB	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS CEB
40. REVIEWER Charles E. Blood Charles E. Blood		SUPERVISOR, REVIEW SECTION OR UNIT Albert C. Rauck, Jr. Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER D. Butler D. Butler	2/75	SUPERVISOR Albert C. Rauck, Jr.	
Reviewer J. Byrd J. Byrd	9/75	Albert C. Rauck, Jr.	
43. 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  $32^{\circ}56'15''N$ , 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  $32^{\circ}55'00''N$  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  $0^{\circ}$  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 MHWL 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-00389

SHORELINE

August 25, 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 data on the bluffs.

Seven rocks at approximate lat. 32 48.0', long. 118 25.75' and three rocks at approximate lat. 32 47.9', long. 118 25.4' were shown on the Class I manuscript. They were not shown on the Class III manuscript and the field editor did not submit any data on them. They cannot be seen on the photos and their source is unknown. They were removed and not shown on this map.

Two rocks were shown on the Class I one covers 5 ft. at MLLW at lat. 32 48.3', long. 118 25.9' the other awash MLLW at lat. 32 47.9', long. 118 25.4'. The rocks were plotted from an overlay derived by fix data supplied by the field editor, but they differed from the positions (covers 5 ft. lat. 32 48.2 long. 118 25.7, awash at MLLW lat. 32 47.9', long. 118 25.5' shown on the field edit ozalid. They were removed from this map at final review to avoid conflicts with Hydro since they could not be seen on photography.

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-9377 (RA-20-2-73) and also the smooth boat sheet (RA-5-3B-74).

H-9377 shows 1) a submerged rock at lat. 32 48.3' long. 118 25.9' 2) seven rocks in a foul area at approximate lat. 32 48.0' long. 118 25.75' and 3) three rocks at approximate lat. 32 47.9', long. 118 25.4.

All of these were shown on the Class I map but were removed from this map. (See item #61 of this Review Report).

Smooth boat sheet (RA-5-3B-74) shows two rocks one at lat. 32 48.2' long. 118 25.7' the other at lat. 32 47.9' long. 118 25.5'. These same two rocks were shown on the Class I manuscript in different positions (lat. 32 48.3' long. 118 25.9' and lat. 32 47.9' long. 118 25.4') but were removed during Final Review. They were not shown on this map. (See item #61 of this Review Report).

#### 65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 18762, 1:40,000 scale 10th edition, dated April 9, 1977 and Chart 18764, 1:15,000 scale, 5th edition, dated July 23, 1977.

Chart 18764 shows 1) Two submerged rocks at lat. 32 49.6' long. 118 27.45' 2) A submerged rock at lat. 32 49.1' long. 118 27.05' which were not shown on this map since they could not be seen on photography.

(Chart 18764 shows two rocks at lat. 32 48.2' long. 118 26.0' which were shown on the Class III manuscript but were removed when the field editor stated the rocks could not be found).

(Chart 18764 shows rocks at lat. 32 48.4' long. 118 25.9' and at lat. 32 47.9' long. 118 25.4 which were removed at time of Final Review. (See item #61 and item #64 of this Review Report).

#### 66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

*J. L. Byrd*  
J. L. Byrd  
Final Reviewer

Approved for forwarding:

*Arnold L. Shand*

Acting Chief, Photogrammetric Branch, AMC

Approved:

*John D. Perrault*

Chief, Photogrammetric Branch

*James A. [Signature]*  
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  
speciation report, 1 form 258

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

TP-00389

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.

FORM C&GS-8382 SUPERSEDES ALL EDITIONS OF FORM C&GS-975.

USCOMM-DC 8558-P63