

TP-00387

ORIGINAL

TP-00387

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-00387...
Classification No. Final Edition No. ..1.....
Field Edited Map

LOCALITY

State California
General Locality San Clemente Island
Locality Lost Point

1971 TO 1974

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00387 MAP EDITION NO. (1) MAP CLASS Final JOB PH. 7108	
DESCRIPTIVE REPORT - DATA RECORD							
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Atlantic Marine Center, Norfolk, VA				LAST PRECEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr., NOAA				JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation 7/16/71 Compilation 11/17/71				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 California ZONE 6			
5. SCALE 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: Analytical LANDMARKS AND AIDS BY				Don O. Norman		8/71	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY				D. Phillips		8/71	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				L. O. Neterer		8/72	
INSTRUMENT: Wild B-8				A. L. Shands		8/72	
SCALE: 1:15,000				NA			
				NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. R. White		8/72	
				A. L. Shands		8/72	
METHOD: Smooth drafted				NA			
				NA			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				R. R. White		8/72	
				A. L. Shands		8/72	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				A. L. Shands		8/72	
6. APPLICATION OF FIELD EDIT DATA BY				J. Desch		2/75	
				J. Byrd		9/75	
7. COMPILATION SECTION REVIEW BY				J. Byrd		9/75	
8. FINAL REVIEW BY				J. Byrd		8/78	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Byrd		7/78	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				F. Wright		11/78	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R.T. Cater		12/78	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00387
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C) 1853	3/06/71	12:10	1:20,000	0.7 ft. below MLLW	
71L(C) 1883	3/06/71	12:25	1:20,000	0.9 ft. below MLLW	
71L(C) 1933 thru 1935	3/06/71	14:01	1:20,000	0.6 ft. below MLLW	
*71L(I) 1785	3/06/71	10:47	1:30,000	0.1 ft. above MLLW	
*71L(I) 1794 thru 1797	3/06/71	10:50	1:30,000	0.0 ft. above MLLW	
71L(C) 1756 thru 1757	3/06/71	10:20	1:30,000	0.5 ft. above MLLW	
71L(C) 1736 thru 1738	3/06/71	10:05	1:30,000	0.8 ft. above MLLW	

REMARKS

Ref. Sta. Los Angeles (Outer Harbor)
Sub. Sta. Wilson Cove, San Clemente Island

M.R.

3.8

3.6

M.T.L.

2.8

2.7

2. SOURCE OF MEAN HIGH-WATER LINE:

Air Photo Compilation
Date of Photography: March 6, 19713. SOURCE OF ~~MEAN HIGH-WATER LINE~~ 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.)

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

5. FINAL JUNCTIONS

NORTH TP-00385	EAST TP-00388	SOUTH TP-00389	WEST TP-00386
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REMARKS

TP-00387

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
	ESTABLISHED BY	None
	PRE-MARKED OR IDENTIFIED BY	L. L. Riggers
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 BY <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)1739	GREEN, 1862		
71L(C)1735	BUMP, 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 ☒ NONE6. 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-00387

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	K. Jeffers	9-10/74
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	NA NA NA
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY <i>Verified</i> IDENTIFIED BY	None None None 6. Strobe 9/74
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	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

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) 1932, 1934, 1936, 1882, 1883, and 1884

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

None

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

1 Field Edit Ozalid and Field Edit Report

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

TP-00387

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	8/78	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	Landmark for charts.

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

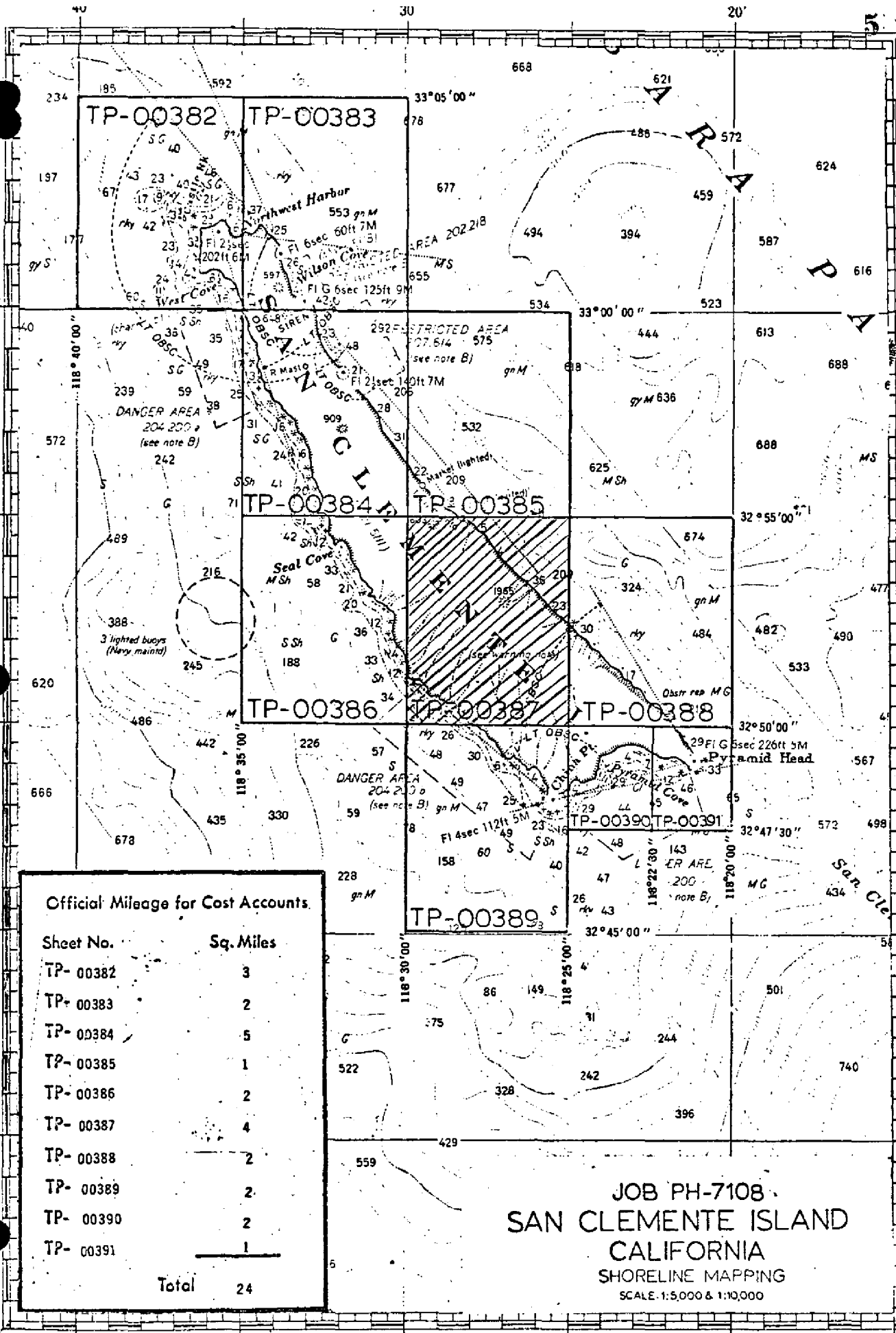
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. ⁷⁶⁻⁴¹⁵~~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	



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
Total	24

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-00387

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.

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

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8a

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

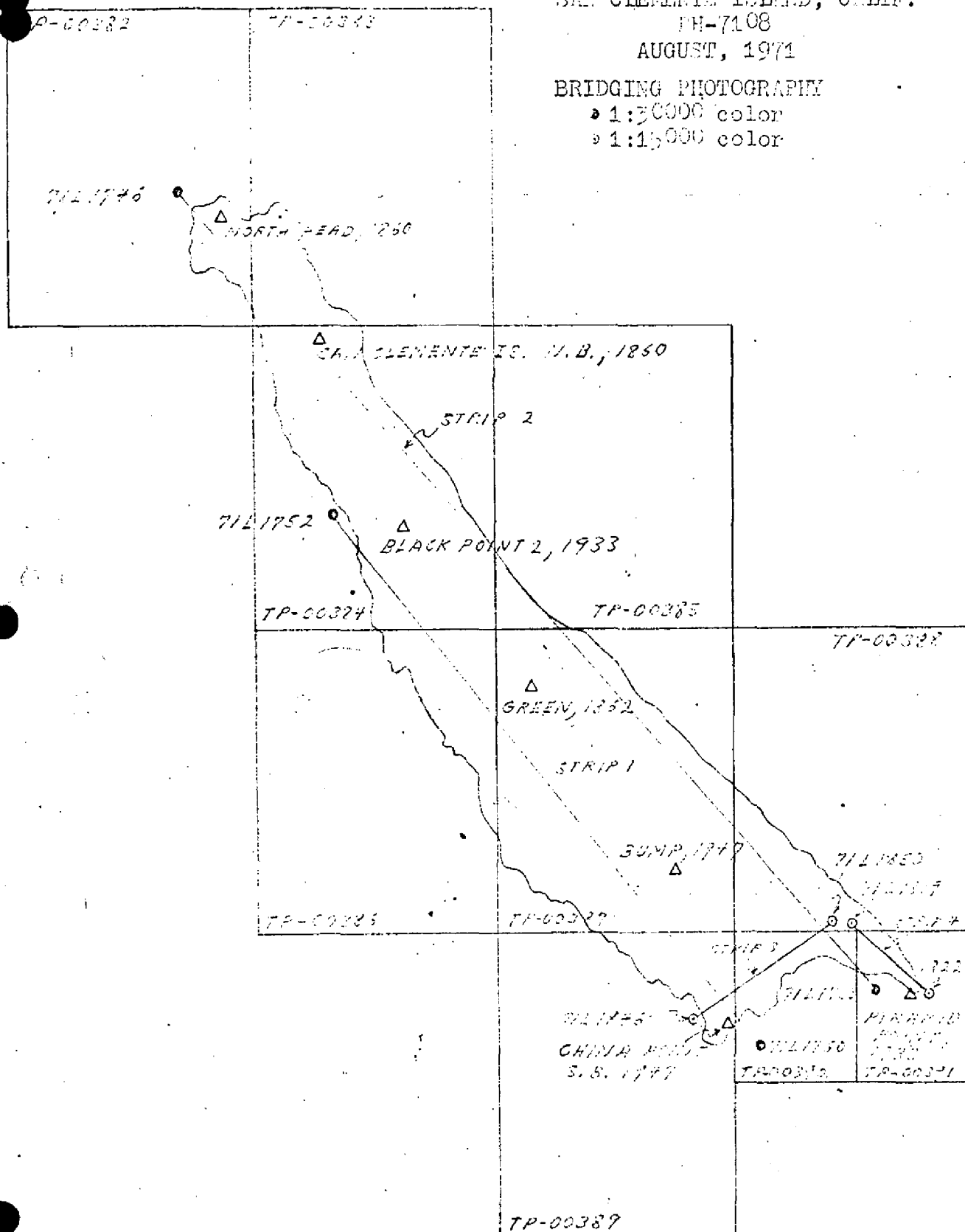
AEROTRIANGULATION SKETCH
SAN CLEMENTE ISLAND, CALIF.

PH-7108

AUGUST, 1971

BRIDGING PHOTOGRAPHY

- 1:30000 color
- 1:15000 color



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	TP-00387	JOB NO.	PH-7108	GEODETTIC DATUM		NA	1927	ORIGINATING ACTIVITY		Coastal Mapping Division, AMC, Norfolk, Virginia	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS				
			STATE	ZONE	ϕ LATITUDE	λ LONGITUDE	FORWARD	BACK			
BUMP, 1947	Quad 321181 P. 1008		X=		ϕ	32 50 55.663	1714.7	(133.6)			
			Y=		λ	118 26 08.858	230.4	(1329.8)			
GREEN, 1862	Quad 321181 P. 1023		X=		ϕ	32 53 52.658	1622.1	(226.2)			
			Y=		λ	118 29 14.605	379.6	(1179.7)			
POINT, 1933	Quad 321181 P. 1033		X=		ϕ	32 50 41.504	1278.5	(569.8)			
			Y=		λ	118 29 14.686	381.9	(1178.4)			
SAN CLEMENTE ISLAND RANGE FINDER NO. 1 BASE, 1939	Quad 321181 P. 1056		X=		ϕ	32 54 32.519	1001.8	(846.5)			
			Y=		λ	118 28 25.110	652.5	(906.7)			
SLICK, 1952	Quad 321181 P. 1043		X=		ϕ	32 54 48.321	1488.5	(359.8)			
			Y=		λ	118 28 00.241	6.3	(1552.8)			
			X=		ϕ						
			Y=		λ						
			X=		ϕ						
			Y=		λ						
			X=		ϕ						
			Y=		λ						
			X=		ϕ						
			Y=		λ						
COMPUTED BY	J. Bulfer	DATE	10/01/71	COMPUTATION CHECKED BY	L. O. Neterer, Jr.		DATE	10/04/71			
LISTED BY		DATE		LISTING CHECKED BY			DATE				
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY			DATE				

COMPILATION REPORT

TP-00387

31. DELINEATION:

Compilation was by the Wild B-8 method, using color photography taken March 6, 1971. The photography was adequate.

There was no field inspection prior to compilation.

32. CONTROL:

See "Photogrammetric Plot Report" dated August 1971.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are inapplicable. Drainage was compiled from office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The mean high water line, bluffs, rocks, and drainage were compiled using the Wild B-8.

The kelp limits were compiled graphically, using the offshore color ratios.

The ledge limits were compiled graphically, using the infrared photography.

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 Form 76-36B, Item #5.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangles SAN CLEMENTE ISLAND CENTRAL, CALIFORNIA, AND SAN CLEMENTE ISLAND SOUTH, CALIFORNIA, scale 1:24,000, dated 1950.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with Chart 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:

Richard R. White

Richard R. White
Cartographic Technician
August 14, 1971

Approved for forwarding:

Albert C. Rauck, Jr.

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

ADDENDUM TO COMPILATION REPORT

TP-00387

1. Dome located at $32^{\circ}53'04''$, $118^{\circ}26'59''$ does not appear on Chart 5111, which covers the San Clemente area, but was dropped by the stereo-plotter prior to compilation. The distances were scaled, position fixed and a 76-40 form prepared and sent to the field for verification. The field editor identified the dome as a Landmark, but failed to pick the point on any photographs and gave a longitudinal value which conflicted (by 1') with that previously determined. The dome is visible on photograph 71 L(1) 1794 and falls in the position originally plotted.
2. One prominent rock measured by the field editor in a group of four ($32^{\circ}54'31''$, $118^{\circ}27'31''$) was not put on the manuscript because it fell behind the MHW Line: was considered unnecessary edit.

J. Desch
2/19/75

July 11, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00387

Lost Point

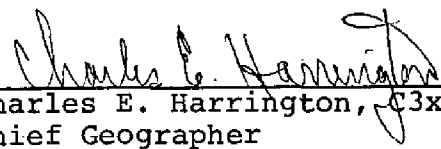
Outer Santa Barbara Passage

Pacific Ocean

San Clemente Island

White Rock

Approved by:


Charles E. Harrington, C3x8
Chief Geographer

NOAA FORM 75-74 (7-75)		U.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY	
PHOTOGRAMMETRIC OFFICE REVIEW			
TP - 00387			
1. PROJECTION AND GRIDS ALS	2. TITLE ALS	3. MANUSCRIPT NUMBERS ALS	4. MANUSCRIPT SIZE ALS
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY ALS	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 ALS	10. PHOTOGRAMMETRIC PLOT REPORT ALS	11. DETAIL POINTS ALS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE ALS	13. LOW-WATER LINE ALS	14. ROCKS, SHOALS, ETC. ALS	15. BRIDGES ALS
16. AIDS TO NAVIGATION JLB	17. LANDMARKS JLB	18. OTHER ALONGSHORE PHYSICAL FEATURES ALS	19. OTHER ALONGSHORE CULTURAL FEATURES ALS
PHYSICAL FEATURES			
20. WATER FEATURES ALS	21. NATURAL GROUND COVER ALS		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES ALS
CULTURAL FEATURES			
27. ROADS ALS	28. BUILDINGS ALS	29. RAILROADS ALS	30. OTHER CULTURAL FEATURES ALS
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES ALS	34. JUNCTIONS ALS		35. LEGIBILITY OF THE MANUSCRIPT ALS
36. DISCREPANCY OVERLAY ALS	37. DESCRIPTIVE REPORT ALS	38. FIELD INSPECTION PHOTOGRAPHS ALS	39. FORMS ALS
40. REVIEWER <i>A. L. Shands</i> A. L. Shands		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> 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 J. Desch <i>Joanne Desch</i> 2/75	SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.		
Reviewer J. Byrd <i>J. Byrd</i> 9/75			
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° 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

[illegible]

REVIEW REPORT

TP-00387

SHORELINE

August 18, 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. There is a conflict on the rock height data and positions of the rocks between the field edit 0zalid and the field photo 71L(C)1932 at approximate lat. 32°54.55'. The information on the photo was used on this map. (See ADDENDUM TO THE COMPILATION REPORT).

The field editor submitted a 76-40 form with the position of the RA DOME in error. (See ADDENDUM TO THE COMPILATION REPORT).

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) and also H-9377 (RA-20-2-73). H-9377 shows a rock (4) offshore of the MLLW line at lat. 32 54.55' long. 118 27.55'. There is no photo evidence to support this rock, however, this map shows a rock near this position inshore of the MLLW line. In this same area H-9377 shows three rocks inshore of the MLLW line at (3), (3), (3). This map shows these rocks at (3), (3), (3), and also three rocks offshore of the MLLW line with no height data. (See Item #61 GENERAL STATEMENT 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.

Chart 18762 shows five Lights on the east shore which are not shown on this map. Investigation of the 1977 LIGHT LIST shows these lights were not built until 1976; therefore, they were not in place at time of field edit and are not shown on this map.

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. Shanks
Acting
Chief, Photogrammetric Branch, AMC

Approved:

John D. Crevier Jr.
Chief, Photogrammetric Branch

James Allen
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-00387

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.

FORM C&GS-8352 SUPERSEDES ALL EDITIONS OF FORM C&GS-975. USCOMM-DC 8558-P63