

TP- 00382

ORIGINAL

P-00382

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Shoreline

PH-7108

TP-00382

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY	SURVEY TP. <u>00382</u>
DESCRIPTIVE REPORT - DATA RECORD				☒ ORIGINAL	MAP EDITION NO. <u>(1)</u>
				☐ RESURVEY	MAP CLASS <u>Final</u>
				☐ REVISED	JOB PH. <u>7108</u>
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION	
Rockville, Maryland				TYPE OF SURVEY	JOB PH. _____
OFFICER-IN-CHARGE				☐ ORIGINAL	MAP CLASS _____
Jack Guth				☐ RESURVEY	SURVEY DATES:
				☐ REVISED	19__ TO 19__
I. INSTRUCTIONS DATED					
1. OFFICE			2. FIELD		
Compilation 11/17/71 Aerotriangulation 7/16/71			Premarking March 1, 1971		
II. DATUMS					
1. HORIZONTAL: ☒ 1927 NORTH AMERICAN				OTHER (Specify)	
2. VERTICAL: ☒ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☒ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL				OTHER (Specify)	
3. MAP PROJECTION				4. GRID(S)	
Polyconic				STATE California	ZONE 6
5. SCALE 1:10,000				STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS					
OPERATIONS		NAME		DATE	
1. AEROTRIANGULATION BY		D. Norman		8/71	
METHOD: <u>Analytical</u> LANDMARKS AND AIDS BY					
2. CONTROL AND BRIDGE POINTS PLOTTED BY		P. Dempsey		8/71	
METHOD: _____ CHECKED BY					
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY		Unknown			
COMPILATION CHECKED BY		Unknown			
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY		NA			
SCALE: <u>1:15,000</u> CHECKED BY		NA			
4. MANUSCRIPT DELINEATION PLANIMETRY BY		P. Dempsey		8/71	
CHECKED BY		Unknown			
METHOD: <u>Smooth drafted</u> KNOWLEDGE CHECKED BY		NA			
SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY		Unknown			
CHECKED BY		Unknown			
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		Rockville			
6. APPLICATION OF FIELD EDIT DATA BY		R. R. White		12/73	
CHECKED BY		J. L. Byrd		8/75	
7. COMPILATION SECTION REVIEW BY		Jim Byrd		8/75	
8. FINAL REVIEW BY		J. L. Byrd		7/78	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		J. L. Byrd		9/78	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		F. Wright		11/78	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		R. Gater		12/78	

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00382
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific	☒ STANDARD
				MERIDIAN 120th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C) 1863 - 1864	3/06/71	12:10	1:20,000	0.7 ft. below MLLW	
71L(C) 1867 thru 1869	3/06/71	12:18	1:20,000	0.8 ft. below MLLW	
71L(C) 1744 thru 1746	3/06/71	10:10	1:30,000	0.6 ft. above MLLW	

REMARKS

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

M.R.	M.T.L.
3.8	2.8
3.6	2.7

2. SOURCE OF MEAN HIGH-WATER LINE:

Above listed photography

3. SOURCE OF MEAN LOW-WATER LINE:

Above listed photography

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
No Survey	TP-00383	No Survey	No Survey

REMARKS

A compilation report for this manuscript was not written.

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

TP-00382

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	
	☐ COMPLETE BY	
	☐ SPECIFIC NAMES ONLY	
	☒ 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	
		N.A.	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
71L-1746	NORTH HEAD, 1860		
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)			

NOAA FORM 76-36C
(3-72)

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

TP-00382

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Ianier	9/71
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 IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY BY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W. Turnacliff 9/71
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) 1863, 1864

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

TP-00382

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	G. Haraden	4/73
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 IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	L. Mordock 4/73
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	NA

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None2. VERTICAL CONTROL IDENTIFIED
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

71L(C) 1868, 1869 and 1870

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 Form 567
- 1 Field Edit Ozalid and Field Edit Report

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00382
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.	Battley	Class III Manuscript Superseded		
Partial field edit applied.	6/72	Superseded		
Field edit applied. Compilation complete.	12/73	Class I Manuscript	3/06/75	
Application to field edit checked.	8/75	Class I Manuscript	9/30/75	
Compilation Section Review	8/75	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 deletion.
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: _____

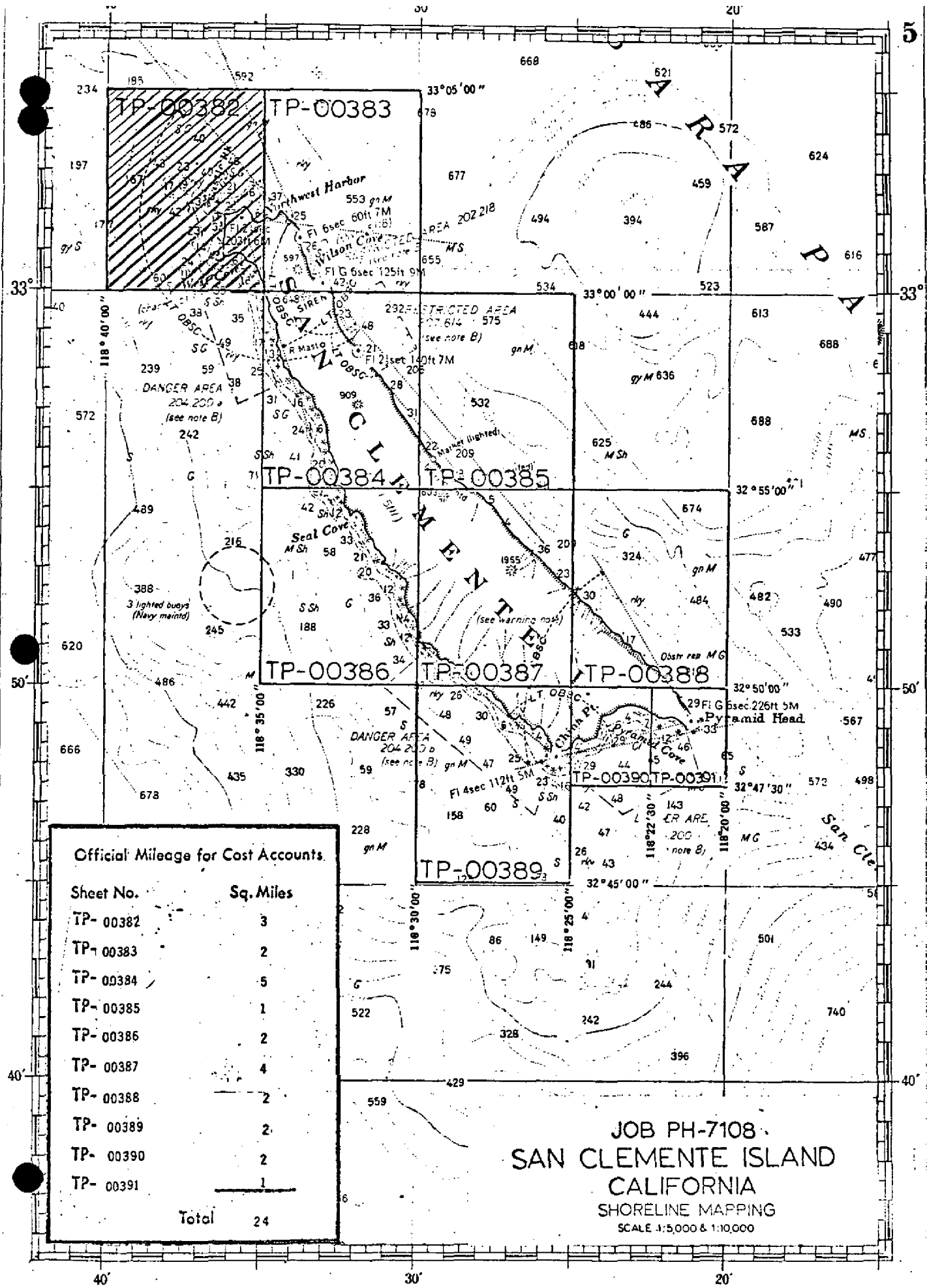
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ⁷⁶⁻⁴⁰ ~~507~~ 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 ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ 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 observance of a tide staff to coordinate black and white infrared aerial photography with MLLW.

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

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

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

Field edit for sheets TP-00385-TP-00391 was accomplished October, 1974. The field edit data was applied at AMC at various times between December, 1973 and February 1976.

Final review of TP-00382 thru TP-00391 was done at AMC in July thru September 1978.

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

FIELD INSPECTION

TP-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.

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

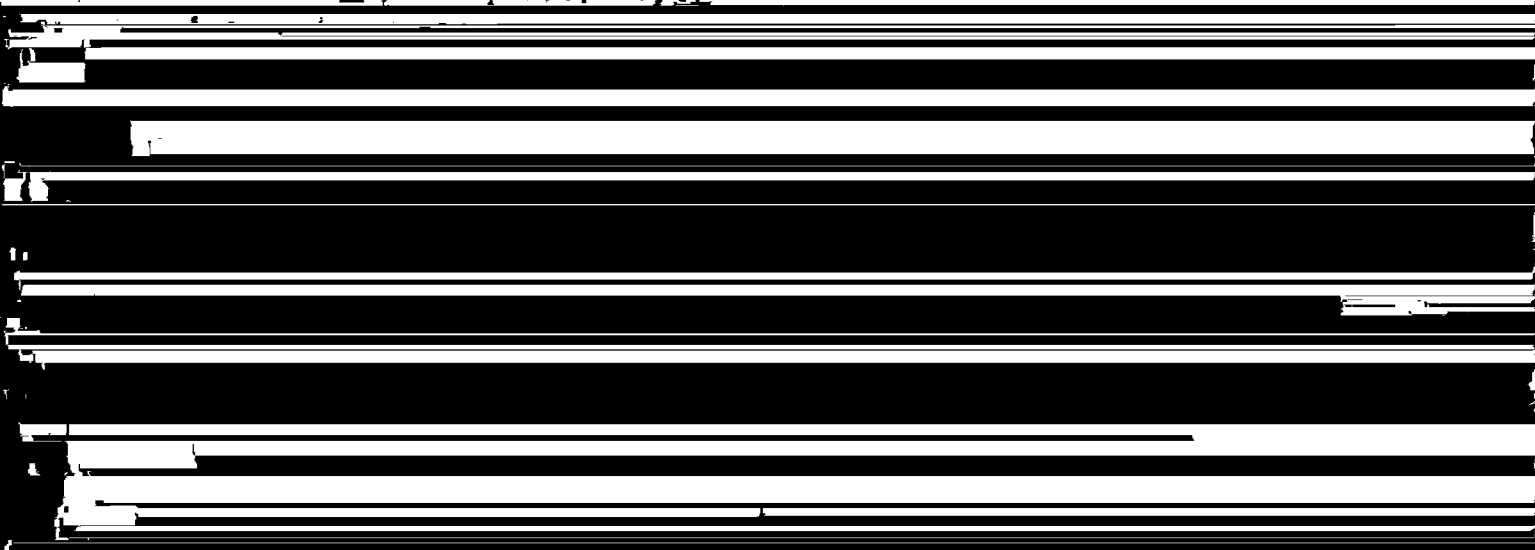
Henry P. Eichert, Chief
Aerotriangulation Section

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)
- 

- ▲ 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)

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

• 1:45000 color

TP-00382

TP-00383

7111246

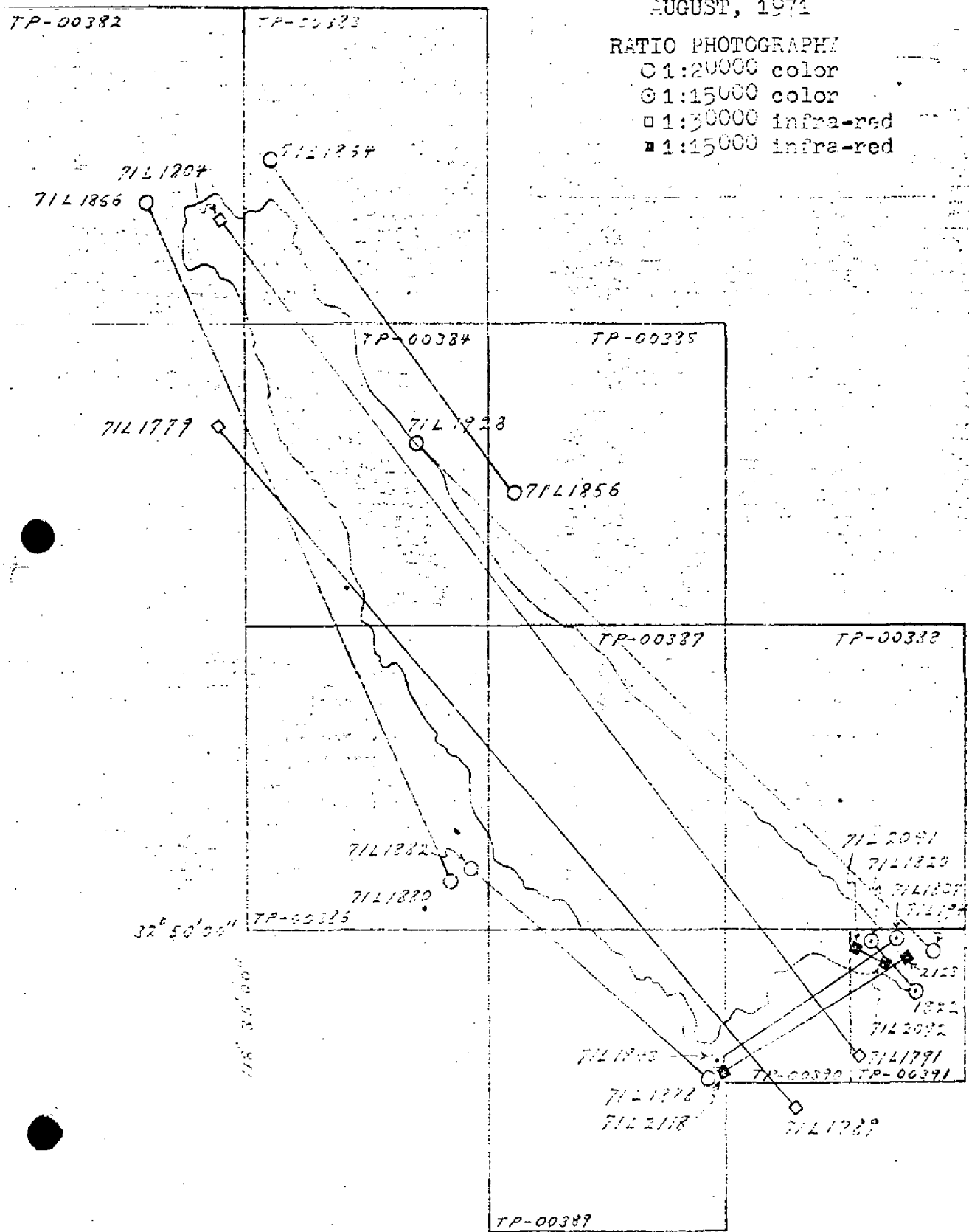
AEROTRIANGULATION SKETCH SAN CLEMENTE ISLAND, CALIF.

PH-7103

AUGUST, 1971

RATIO PHOTOGRAPHY

- 1:20000 color
- ⊙ 1:15000 color
- ◻ 1:30000 infra-red
- 1:15000 infra-red



DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	PH-7108		GEODETTIC DATUM		1927	ORIGINATING ACTIVITY		REMARKS	
			SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	STATE	ZONE		COORDINATES IN FEET	Geographic Position	Division, AMC, Norfolk, Virginia	Coastal Mapping
TP-00382	Quad 331183 P. 1007	DRIGGS, 1933			X=	Y=	φ	λ	33 00 55.685	1715.5	(132.9)
LOW, 1933	Quad 331183 P. 1015				X=	Y=	φ	λ	33 02 14.028	432.2	(1416.2)
NORTH HEAD, 1860	Quad 331183 P. 1018				X=	Y=	φ	λ	33 01 48.944	1507.8	(340.6)
NORTH HEAD LIGHT, 1940	Quad 331183 P. 1018				X=	Y=	φ	λ	33 01 48.802	1503.4	(345.0)
REAR NORTH RANGE, 1940	Quad 331183 P. 1040				X=	Y=	φ	λ	33 01 50.81	1565.3	(283.1)
FRONT NORTH RANGE, 1940	Quad 331183 P. 1035				X=	Y=	φ	λ	33 02 04.650	143.2	(1705.2)
WEST, 1933	Quad 331183 P. 1032				X=	Y=	φ	λ	33 02 03.130	96.4	(1752.0)
					X=	Y=	φ	λ	118 36 47.207	1225.0	(332.0)
					X=	Y=	φ	λ			
					X=	Y=	φ	λ			
					X=	Y=	φ	λ			
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.

July 11, 1978

11

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00382

Castle Rock

Northwest Harbor

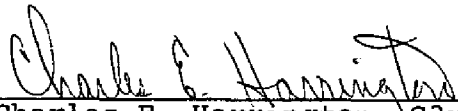
Pacific Ocean

San Clemente Island

The Isthmus

West Cove

Approved by:


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 - 00382.			
1. PROJECTION AND GRIDS JLB	2. TITLE JLB	3. MANUSCRIPT NUMBERS JLB	4. MANUSCRIPT SIZE JLB
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY JLB	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 JLB	10. PHOTOGRAMMETRIC PLOT REPORT JLB	11. DETAIL POINTS JLB
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE JLB	13. LOW-WATER LINE JLB	14. ROCKS, SHOALS, ETC. JLB	15. BRIDGES JLB
16. AIDS TO NAVIGATION JLB	17. LANDMARKS JLB	18. OTHER ALONGSHORE PHYSICAL FEATURES JLB	19. OTHER ALONGSHORE CULTURAL FEATURES JLB
PHYSICAL FEATURES			
20. WATER FEATURES JLB	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 NA
CULTURAL FEATURES			
27. ROADS JLB	28. BUILDINGS JLB	29. RAILROADS JLB	30. OTHER CULTURAL FEATURES JLB
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES JLB	34. JUNCTIONS JLB	35. LEGIBILITY OF THE MANUSCRIPT JLB	
36. DISCREPANCY OVERLAY JLB	37. DESCRIPTIVE REPORT JLB	38. FIELD INSPECTION PHOTOGRAPHS JLB	39. FORMS JLB
40. REVIEWER Jim Byrd <i>Jim Byrd</i> 8/75		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 R. R. White <i>Jim Byrd for</i> 12/73	SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.		
Reviewer Jim Byrd <i>Jim Byrd</i> 8/75			
43. REMARKS Refer to Form 76-360's, Item 8.			

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. Turnacliﬀ, Mr. L. L. Riggers, and CST P. T. Woodard, and completed September 18, 1971, by ENS W. F. Turnacliﬀ and CST P. T. Woodard. Supplementary work was performed on November 16, 1971 by ENS W. F. Turnacliﬀ.

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 $32^{\circ} 56.5'N$ and longitude $118^{\circ} 30.2'W$ 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 G.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 $32^{\circ} 58.5'N$ and longitude $118^{\circ} 31.9'W$ 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 $33^{\circ} 01.4'N$ and longitude $118^{\circ} 33.8'W$. 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-92444)

(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

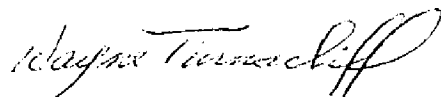
Joining field edit ozalid TP-00383 to the west and continuing around the northern tip of San Clemente Island is field edit ozalid TP-00382. Two photos, 71L1863 and 71L1864, were used in the field edit. There appeared to be underwater obstructions installed by the military on the beach approach in the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

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

RECOMMENDATIONS:

1. The light in latitude $32^{\circ} 58.5'N$ and longitude $118^{\circ} 31.9'W$ 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 MHWL 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.

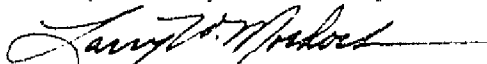
DISCUSSION AND RECOMMENDATIONST-00382

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 71-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 bouys in Northwest Harbor; the detached positions may be found in the appendix.

Respectfully submitted,



Larry W. Mordock
LCDR, NOAA

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

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

ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☐ COMPILATION ACTIVITY
☒ FINAL REVIEWER
☐ QUALITY CONTROL & RE
☐ COAST PILOT BRANCH

(See reverse for responsible personnel)

[illegible]

15a

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	Jim Byrd
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64.)	
OFFICE 1. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) 8. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75 *FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.

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:

Smooth sheet shows as submerged
A comparison was made with H-9247 (RA-10-3-71) *Between Castle* Rock and West Cove, H-9247 showed six rocks ~~awash~~ using determined tides; whereas, on the Class I map they were shown submerged using predicted tides. ~~They were removed from this map to avoid conflicts.~~ Also, at approximate lat. 33 01.9', long. 118 36.2' The Class I map showed a rock elevation of (3) where 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,

November 29, 1975. Also, Chart 18762, 1:40,000 scale 10th edition, April 9, 1977.

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

J. L. Byrd
Final Reviewer

Approved for forwarding:

Arnold L. Shantz

Acting Chief, Photogrammetric Branch, AMC

Approved:

John D. Perrow Jr.

Chief, Photogrammetric Branch

James L. ...

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-00382

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.