

TP-00383

ORIGINAL

TP-00383

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-00383
Classification No. Final Edition No. .1.....
Field Edited Map

LOCALITY

State California
General Locality San Clemente Island
Locality Wilson Cove

19 71 TO 19 73

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.					
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;"> TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED </td> <td style="width: 50%;"> SURVEY TP. <u>00383</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>7108</u> </td> </tr> </table>		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	SURVEY TP. <u>00383</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>7108</u>		
TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	SURVEY TP. <u>00383</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB PH. <u>7108</u>						
PHOTOGRAMMETRIC OFFICE Rockville, Maryland		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</th> </tr> <tr> <td style="width: 50%;"> TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED </td> <td style="width: 50%;"> JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__ </td> </tr> </table>		LAST PRECEDING MAP EDITION		TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__
LAST PRECEDING MAP EDITION							
TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED	JOB PH. _____ MAP CLASS _____ SURVEY DATES: 19__ TO 19__						
OFFICER-IN-CHARGE Jack Guth							
I. INSTRUCTIONS DATED							
1. OFFICE		2. FIELD					
Aerotriangulation Compilation		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 Polyconic		4. GRID(S) <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE California</td> <td style="width: 50%;">ZONE 6</td> </tr> </table>		STATE California	ZONE 6		
STATE California	ZONE 6						
5. SCALE 1:10,000		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">STATE</td> <td style="width: 50%;">ZONE</td> </tr> </table>		STATE	ZONE		
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: CHECKED BY		M. Webber	8/71				
3. STEREOSCOPIC INSTRUMENT COMPILATION PLANIMETRY BY INSTRUMENT: <u>Wild B-8</u> CHECKED BY SCALE: <u>1:15,000</u> CHECKED BY		Unknown Unknown NA NA	NA NA				
4. MANUSCRIPT DELINEATION PLANIMETRY BY METHOD: <u>Smooth drafted</u> CHECKED BY SCALE: <u>1: 10,000</u> HYDRO SUPPORT DATA BY CHECKED BY		M. Webber Unknown NA NA Unknown Unknown	8/71				
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		Unknown					
6. APPLICATION OF FIELD EDIT DATA BY		R. R. White	12/73				
7. COMPILATION SECTION REVIEW BY		J. L. 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. T. Ceter	12/78				

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00383
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	☒ STANDARD
☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN 120th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C) 1861 thru 1864	3/06/71	12:10	1:20,000	0.7 ft. below MLLW	
71L(C) 1743 thru 1745	3/06/71	10:10	1:30,000	0.6 ft. above MLLW	

REMARKS

Sub. Sta. Los Angeles (Outer Harbor)
 Ref. 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 HIGH-WATER LINE~~ MEAN LOWER 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	No Survey	TP-00384	TP-00382

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 SURVEYTP-00383
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	2/71
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	R. B. Melby R. B. Melby 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	None
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) 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) None			

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-00383

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Lanier	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 W. Turnacli:ff 9/71 None W. Turnacli:ff 9/71 W. Turnacli:ff 11/71
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	W. Turnacli:ff 11/71
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) 1861, 1862 and 1863			
4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED			
PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
71L(C)1862	SOUTH RANGE LIGHT, WILSON COVE PIER		
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) 1 Form 76-40 1 Field Edit Ozalid and Field Edit Report			

NOAA FORM 76-36C
(3-72)

TP-00383
HISTORY OF FIELD OPERATIONSI. ☐ 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 W.F. Fairbanks None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	L. Mordock
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)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

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00383
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.	8/71	Class III Manuscript Superseded	Battley	
Field edit applied. Compilation complete.	12/73	Class I Manuscript	3/06/75	
Comp. Section Review	8/75	Class I Manuscript	8/18/75	
Final Review	7/78	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 deletion
1		3/03/75	Aids for charts
1		8/18/75	Aid for revision (corrected for position)
1		10/78	Corrected position for Aid

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 ⁷⁶⁻³⁶ 507 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	

NOAA FORM 76-36D

TP-00382

TP-00383

TP-00384

TP-00385

TP-00386

TP-00387

TP-00388

TP-00390

TP-00391

TP-00389

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-00383.

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.

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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) accompan-



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

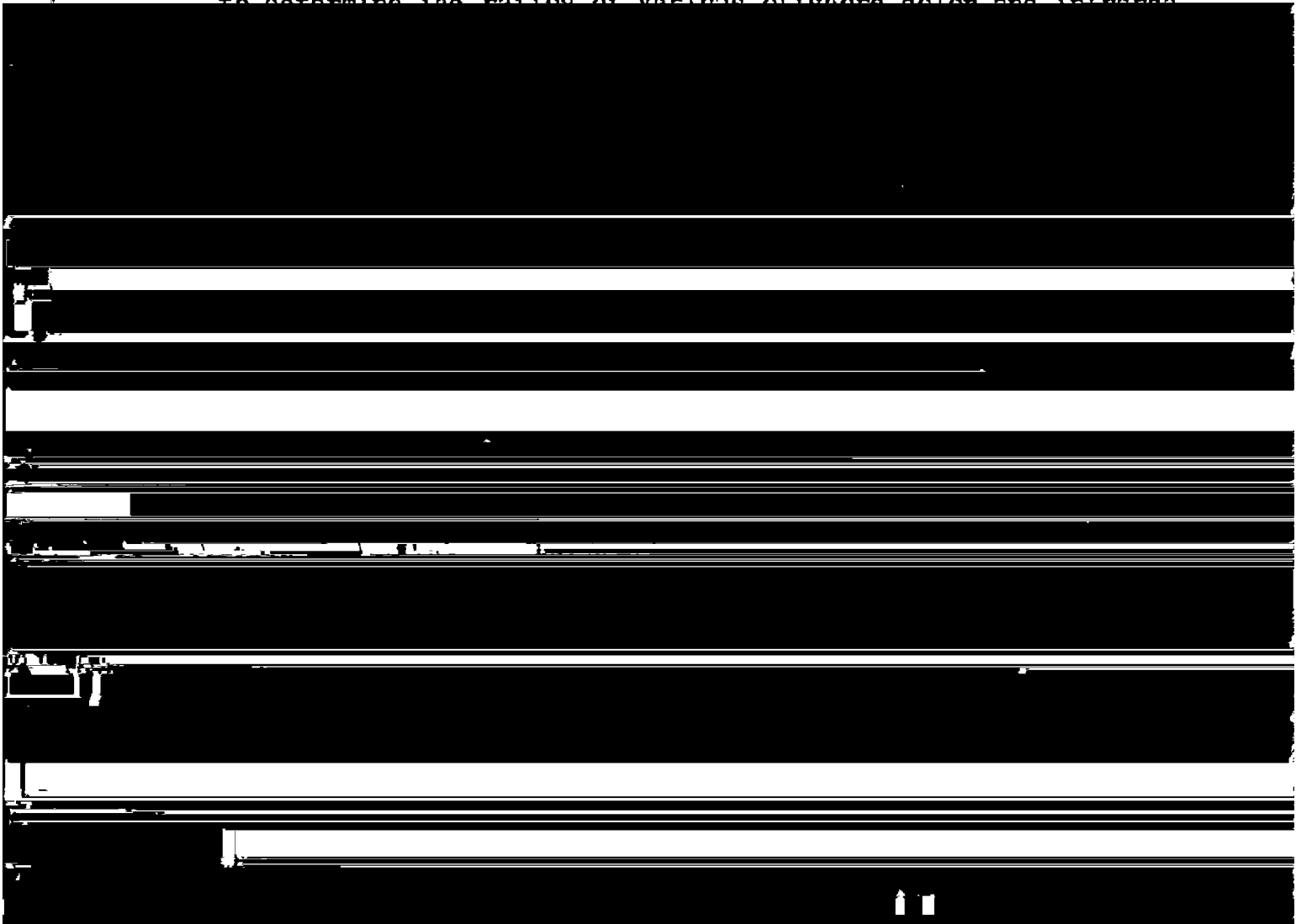
PHOTOGRAMMETRIC PLOT REPORT
Job PH-7108
San Clemente Island, California
August 1971

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

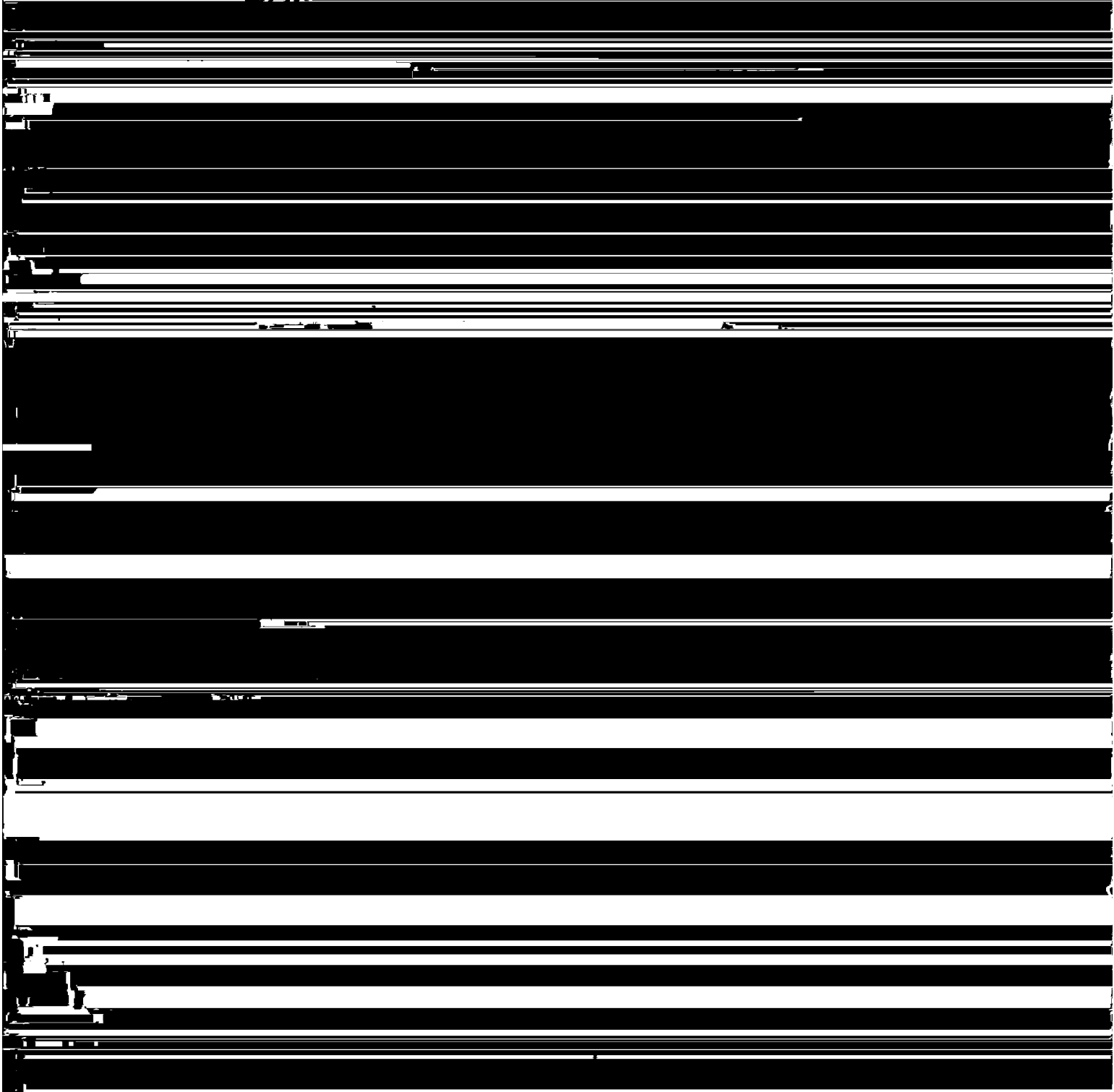
Two strips of 1:30,000 scale photography (71-L-1733 thru 1746 and 71-L-1752 thru 1760) and two strips of 1:15,000 scale photography (71-L-1819 thru 1822 and 71-L-1846 thru 1850) were bridged by analytic aerotriangulation methods. Tie points were transferred from the 1:30,000 scale photography to the 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 colors and infrared



Fit to Control
(X, Y in feet)

STRIP 1

BLACK POINT 2. 1933 (+0.5. +0.1)



STRIP 2

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-7100

AUGUST, 1971

TP-00382

TP-00382

RATIO PHOTOGRAPHY

O1:20000 color

C1:15000 color

I1:30000 infra-red

I1:45000 infra-red

TP-1254

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODEIC DATUM		COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS	
					NA	1927		ϕ LATITUDE λ LONGITUDE	Division, AMC, Norfolk, Virginia		FORWARD	BACK
TP-00383	PH-7108											
		FRONT SOUTH RANGE, 1940	Quad 331183 P. 1036				X=	ϕ 33 01 41.061			1264.9	(583.5)
							Y=	λ 118 34 10.665			276.8	(1280.3)
		REAR SOUTH RANGE, 1940	Quad 331183 P. 1040				X=	ϕ 33 01 27.235			839.0	(1009.4)
							Y=	λ 118 34 35.008			908.5	(648.7)
		LOOKOUT TOWER CENTER, 1947	Quad 331183 P. 1037				X=	ϕ 33 00 35.176			1083.6	(764.8)
							Y=	λ 118 33 56.319			1461.9	(95.6)
		MOUND, 1878	Quad 331183 P. 1017				X=	ϕ 33 01 07.009			215.9	(1632.5)
							Y=	λ 118 34 03.217			83.5	(1473.8)
		SAND, 1933	Quad 331183 P. 1025				X=	ϕ 33 01 59.163			1822.6	(25.8)
							Y=	λ 118 34 26.804			695.6	(861.4)
		WILSON COVE LIGHT, 1933	Quad 331183 P. 1042				X=	ϕ 33 00 13.783			424.6	(1423.8)
		<i>Rebuilt 1926</i>					Y=	λ 118 33 06.769			175.7	(1381.9)
		<i>in apparent same position</i>					X=	ϕ				
		<i>Not shown as TR1.</i>					Y=	λ				
							X=	ϕ				
							Y=	λ				
							X=	ϕ				
							Y=	λ				
							X=	ϕ				
							Y=	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		

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.

ADDENDUM TO THE COMPILATION REPORT

TP-00383

FIELD EDIT

Field edit was adequate, except for the positions of two mile markers. These positions will be determined at a later date. Rockville office raised no question concerning these measured mile markers; neither did the field editor furnish any data pertaining thereto. It is assumed that this map is Class I and no further edit will be furnished.

Albert C. Rauck, Jr.
Albert C. Rauck, Jr.
August 18, 1975

NOTE: No compilation report was submitted by the Rockville office.

ADDENDUM TO THE COMPILATION REPORT

TP-00383

Model 71L(C) 1744-1745 was reset on February 10, 1976. The purpose of resetting this model was to verify the existence of 12 rocks. These rocks were carried forward to Hydro Survey H-9244 from prior Shoreline Manuscript T-6490 (1936).

Of the 12 rocks indicated, only four were found and located from the stereo model. These were not shown during the initial compilation, probably because they are well inshore of the MLLWL and not considered to be hazardous. The remaining eight rocks could not be verified photogrammetrically from the model. In addition, three new rocks, not previously compiled, were added, although they also are considered to be well inshore and not hazardous.

July 11, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00383

Northwest Harbor

Outer Santa Barbara Passage

Pacific Ocean

San Clemente Island

Wilson 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 - 00383			
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) JLB		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
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>R. R. White</i> 12/73		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
Reviewer J. L. Byrd <i>J. L. 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:

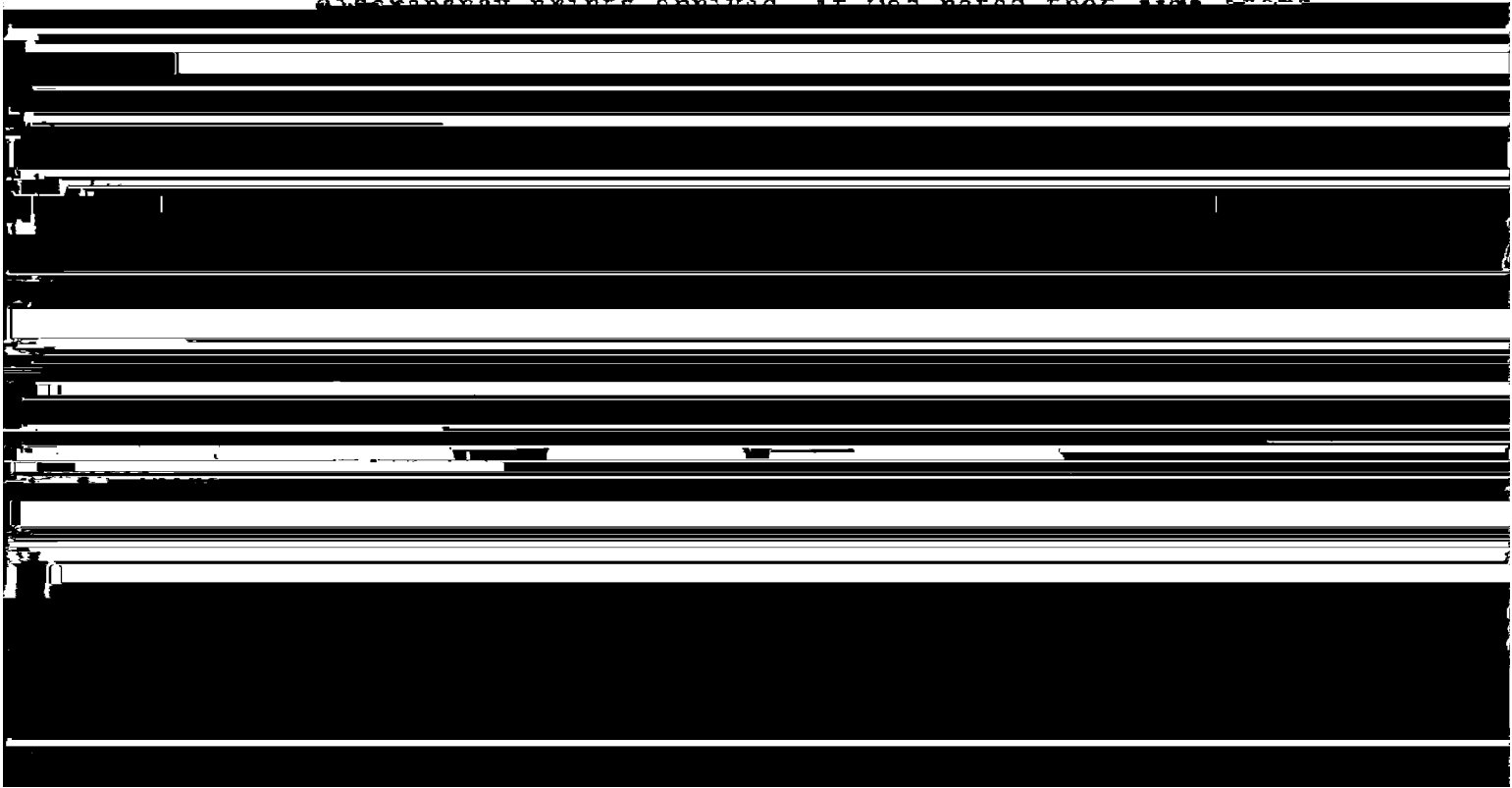
The field edit of map manuscripts TP-00382, TP-00383, and TP-00384 was accomplished in two parts. It was started on September 14, 1971, by ENS W. F. Turnacliiff, Mr. L. L. Riggers, and CST P. T. Woodard, and completed September 18, 1971, by ENS W. F. Turnacliiff and CST P. T. Woodard. Supplementary work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

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



ADEQUACY OF COMPILATION:

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

DISCUSSION OF FIELD EDIT:

TP-00384

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

TP-00383

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

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

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

Wilson Cove Light, identified on photo 71L1861, was rebuilt in 1936. The stadia traverse run through Wilson Cove (see report Stadia Traverse to Accompany H-9244

(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

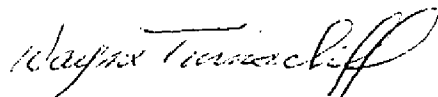
Joining field edit ozalid TP-00383 to the west and continuing around the northern tip of San Clemente Island is field edit ozalid TP-00382. Two photos, 71L1863 and 71L1864, were used in the field edit. There appeared to be underwater obstructions installed by the military on the beach approach in the 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.

NONFLOATING 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 & REVIEW GRP.
☐ COAST PILOT BRANCH
- (See reverse for responsible personnel)

(See reverse for responsible personnel)

been inspected from seaward to determine their value as landmarks.

DATUM

N.A. 1927

3344

Ph-7108

477

DESCRIPTION
Record reason for deletion of landmark or aid to navigation.
Show triangulation station names, where applicable, in parenthesis.

DESCRIPTION

CHARTING
NAME

LIGHT.

Wilson Cove North End Light

33-01

118-33

55.97

FIELD

5101
5108
5111

NOTE: This Light originally submitted to Charts 2/28/75. Found to be in error. Re-submitted Aug. 1975 as a revision for new position.

[illegible]

REVIEW REPORT
TP-00383

SHORELINE

July 17, 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 compilation office and the field editor omitted the location of some bluffs. The field editor did not furnish any bluff heights on any bluffs on this map.

The field editor did not locate the Charted North Range measured nautical mile markers and they could not be identified on the photography, they were not mapped.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

A comparison was made with H-9247 (RA-10-3-71) and H-9244 (RA-5-1-71). A rock at approximate lat. $33^{\circ}00.8'$ long. $118^{\circ}33.6'$ was shown on the Class I map but was not shown on the hydro surveys. These rocks could be seen on the MLLW color photographs; therefore, they were left on this map.

H-9247 showed the North Range measured nautical mile markers which were not shown on this map. (See Item #61 of this Review Report).

65. COMPARISON WITH NAUTICAL CHARTS:

A comparison was made with Chart 18763, 1:20,000 scale, 6th edition, dated November 29, 1975. Also, Chart 18762, 1:40,000 scale 10th edition, dated April 9, 1977.

The Military Airport at approximate lat. $33^{\circ}01.5'$ running from SW to NE was not shown on either Chart 18763 or Chart 18762.

Charts 18763 and 18762 showed the North Range measured nautical mile markers, but they were not shown on the Class I Map. (See item #61 of this Review Report). Also, see Addendum to the Compilation Report.

The 1973 field editor located an AERO BEACON lat. $33^{\circ}00'35.44''$ long. $118^{\circ}33'56.35''$ as an aid. It was not published in the 1973 Light list. This AERO BEACON is not shown on either Chart 18763 or Chart 18762.

An AERO BEACON at lat. $33^{\circ}01.6'$ long. $118^{\circ}34.2'$ was shown on Charts 18763 and Charts 18762 as a Landmark and not on this map.

Charts 18763 and 18762 showed a rock at lat. $33^{\circ}01.5'$, long. $118^{\circ}33.9'$ and a submerged rock at lat. $33^{\circ}01.2'$ long. $118^{\circ}33.8'$. These rocks could not be seen on photography and were not shown on this map.

A rock at approximate lat. $33^{\circ}00.6'$, long. $118^{\circ}33.6'$ was shown on the Class I Map, but is not shown on either Chart 18763 or Chart 18762.

A charted bluff at lat. $33^{\circ}00'$ long. $118^{\circ}34.95'$ was not shown on this map. (See Item #61 on 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. Shands

Acting Chief, Photogrammetric Branch, AMC

Approved:

John D. Corrao 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.

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.