

TP-00384 ORIGINAL

TP-00384

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-00384
Classification No. *Final* Edition No. ... 1

Field Edited Map

LOCALITY

State California
General Locality San Clemente Island
Locality Eel Point

19 71 TO 19 75

REGISTRY IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.	
DESCRIPTIVE REPORT - DATA RECORD		TYPE OF SURVEY ☒ ORIGINAL ☐ RESURVEY ☐ REVISED	
PHOTOGRAMMETRIC OFFICE Rockville, Maryland		SURVEY TP. <u>00384</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>PH-7108</u>	
OFFICER-IN-CHARGE Jack Guth		LAST PRECEDING MAP EDITION TYPE OF SURVEY ☐ ORIGINAL ☐ RESURVEY ☐ REVISED JOB <u>PH-</u> MAP CLASS <u></u> SURVEY DATES: 19__ TO 19__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation Compilation		Premarking	
7/16/71 11/17/71		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) STATE <u>California</u> ZONE <u>6</u>	
5. SCALE 1:10,000		STATE <u></u> ZONE <u></u>	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: <u>Analytical</u>		D. Norman	8/71
2. CONTROL AND BRIDGE POINTS METHOD:		R. Youngblood	8/71
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: <u>Wild B-8</u> SCALE: <u>1:15,000</u>		Unknown	
4. MANUSCRIPT DELINEATION METHOD: <u>Smooth drafted</u> SCALE: <u>1:10,000</u>		R. Youngblood	8/71
5. OFFICE INSPECTION PRIOR TO FIELD EDIT		Unknown	
6. APPLICATION OF FIELD EDIT DATA		J. R. Minton - J. Byrd	12/74 - 2/76
7. COMPILATION SECTION REVIEW		J. L. Byrd - A. Rauck	8/75 - 2/76
8. FINAL REVIEW		J. L. Byrd	8/78
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH		J. L. Byrd	9/78
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH		F. Wright	11/78
11. MAP REGISTERED - COASTAL SURVEY SECTION		R. J. Cator	12/78

NOAA FORM 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00384
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE ☐ PREDICTED TIDES ☐ REFERENCE STATION RECORDS ☒ TIDE CONTROLLED PHOTOGRAPHY *		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	☒ STANDARD
				MERIDIAN 120th	☐ DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
71L(C) 1856 thru 1861	3/06/71	12:10	1:20,000	0.7 ft. below MLLW	
71L(C) 1928 and 1929	3/06/71	14:01	1:20,000	-0.6 ft. of MLLW	
71L(C) 1869 thru 1876	3/06/71	12:20	1:20,000	0.8 ft. below MLLW	
71L(C) 1740 thru 1744	3/06/71	10:10	1:30,000	0.6 ft. below MLLW	
71L(C) 1750 thru 1754	3/06/71	10:20	1:30,000	0.5 ft. below 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:

Above listed photography

3. SOURCE OF ~~MEAN LOW-WATER LINE~~ OR 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
TP-00383	TP-00385	TP-00386	No Survey

REMARKS

A compilation report for this manuscript was not written.

TP-00384

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 ☐ COMPLETE ☐ 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

None

2. VERTICAL CONTROL IDENTIFIED

NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
71L(C)1741	BLACK POINT 2, 1933		
71L(C)1743	SAN CLEMENTE ISLAND NORTH BASE, 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 ☒ 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-00384

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 None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ 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		2. VERTICAL CONTROL IDENTIFIED	
None		NA	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

71L(C) 1857, 1859 and 1860

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)

1 Field Edit Ozalid and Field Edit Report

TP-00384
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	C. Townsend	10/75
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	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	J. Osborn
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) 1870 thru 1875

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-00384
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.		Class III Manuscript Superseded	Battley	
Partial field edit applied.	12/16/71	Class III Manuscript Superseded		
Partial Comp. Section Review	8/75	Class I Manuscript		
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 deletion
1		3/03/75	Landmark for charts
1		3/03/75	Aid for charts

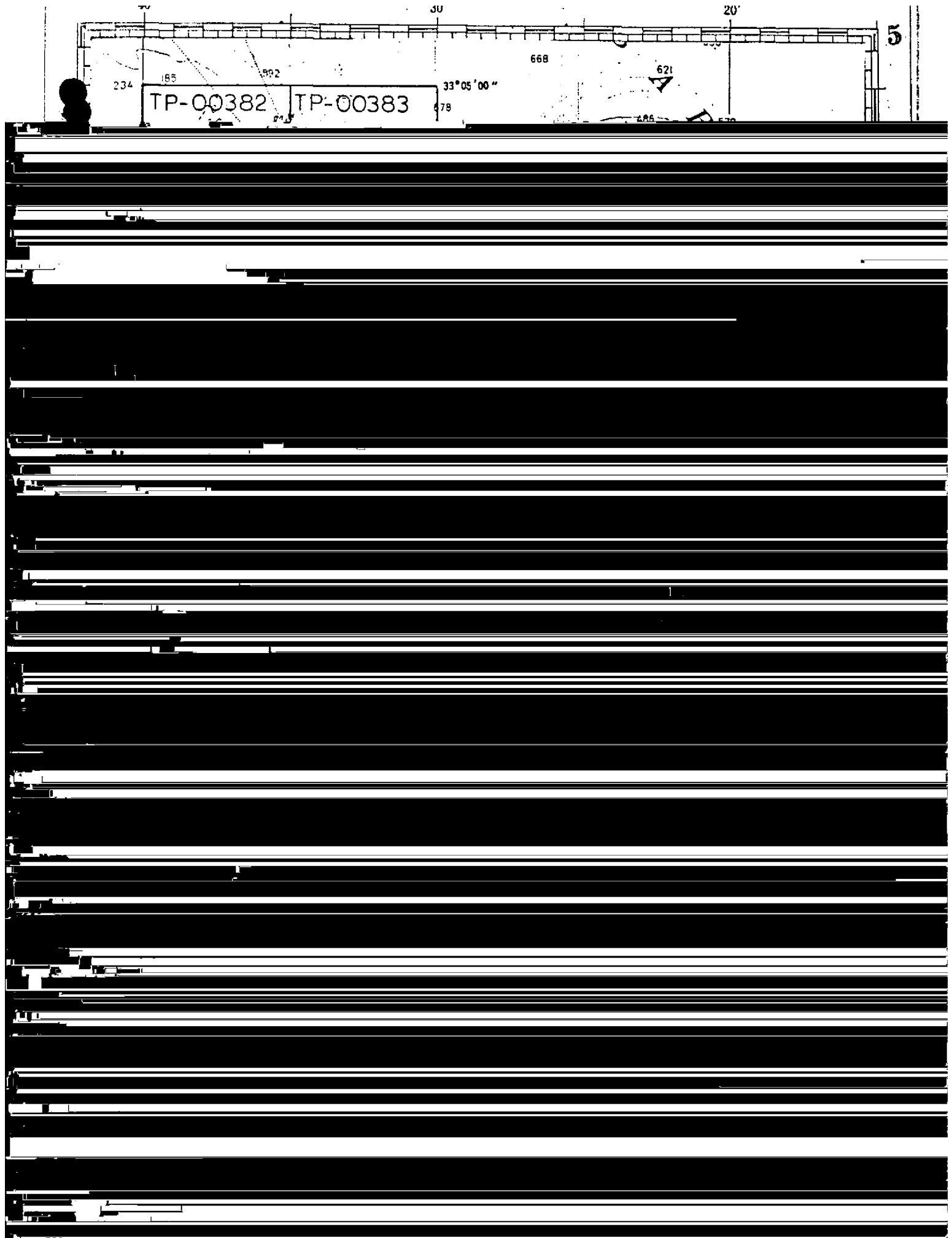
2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

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



234

185

892

30

20'

668

621

33°05'00"

79

TP-00382 TP-00383

5

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



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-00384

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.

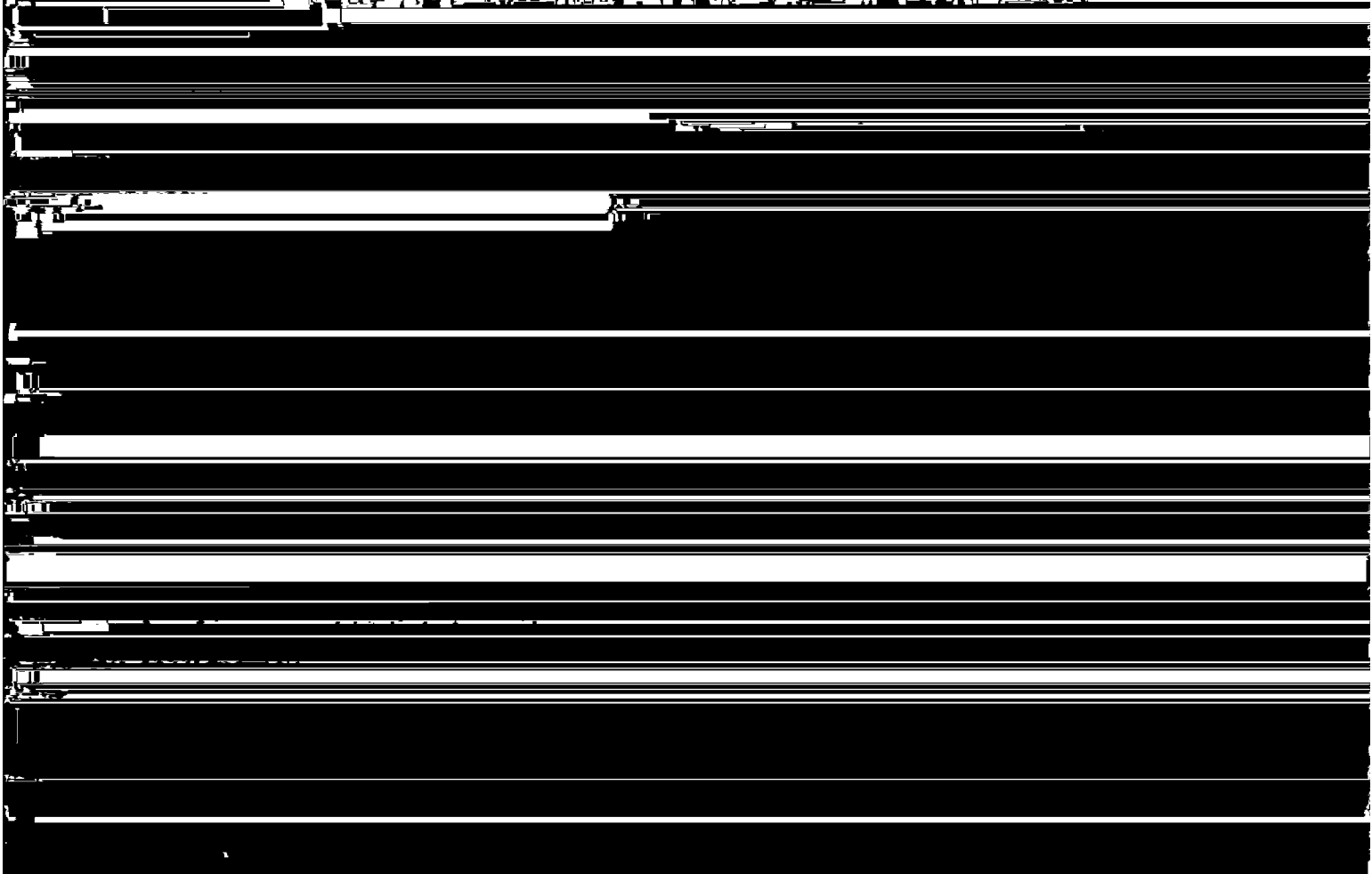
Horizontal Control:

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



Names and Addresses:

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

Officer in Charge:

Naval Undersea Research and Development Center
San Clemente Island Facility
3202 E. Foothill Blvd.
Pasadena, California 91107

The EOD team (demolition team) was arranged through:

The Commanding Officer
Naval Weapons Station
Seal Beach, California 90740

The EOD team was under the direction of:

LT Smith
Naval Weapons Station
Seal Beach, California 90740
Phone 596-5511 Ext. 390

One commercial airline, under Navy Contract, flies daily except weekends from the Long Beach, California, airport to the San Clemente Island airport. U. S. Navy approval through the above San Clemente Island command is required to board the aircraft.

Respectfully submitted,

Robert B. Melby

Robert B. Melby
Chief, PMC Field Party

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

21. Area Covered

This report pertains to the entire island of San Clemente off the coast of California. The sheets covered are TP-00382 thru TP-00389 at 1:10,000 scale and TP-00390 and TP-00391 at 1:5,000 scale.

22. Method

Two strips of 1:30,000 scale photography (71-L-1733 thru 1746 and 71-L-1752 thru 1760) and two strips of 1:15,000 scale photography (71-L-1819 thru 1822 and 71-L-1846 thru 1850) were bridged by analytic aerotriangulation methods. Tie points were transferred from the 1:30,000 scale photography to the 1:15,000 scale photography and were used to control the 1:15,000 scale photography. Points were also established to determine the ratios of various offshore color and infrared photography. See Aerotriangulation Sketch, Ratio Photography. All strips were adjusted to California state plane coordinates, zone 6.

23. Adequacy of Control

The control was adequate.

24. Supplemental Data

USGS topographic quadrangles were used to obtain vertical control for the strips.

25. Photography

The photography was adequate.

Respectively submitted:

Don O. Norman

Don O. Norman

Approved and Forwarded:

Henry P. Eichert

Henry P. Eichert, Chief
Aerotriangulation Section

Fit to Control
(X, Y in feet)

STRIP 1

- ▲ BLACK POINT 2, 1933 (+0.5, +0.1)
- ▲ GREEN, 1862 (-0.5, -0.4)
- ▲ BUMP, 1947 (+0.7, +0.4)
- ▲ CHINA POINT SOUTH BASE, 1947 (-0.3, -0.1)

STRIP 2

- ▲ 34801 (-0.1, -0.1)
- ▲ 34802 (+1.2, +0.1)
- ▲ 34803 (+0.6, +0.7)
- ▲ 36801 (-1.5, -0.3)
- ▲ 36802 (+0.2, +0.1)
- ▲ 36803 (-1.2, -1.2)
- ▲ GREEN, 1862 (-0.1, -0.1)
- ▲ 40801 (+1.0, +0.9)
- ▲ 40802 (-1.1, +1.4)
- ▲ 40803 (+1.1, +1.2)
- ▲ BLACK POINT 2, 1933 (+0.2, +0.1)
- ▲ SAN CLEMENTE ISLAND N.B., 1860 (-0.5, -0.2)
- ▲ NORTH HEAD, 1860 (+0.3, +0.2)

STRIP 3

- ▲ CHINA POINT SOUTH BASE, 1947 (0.0, 0.0)
- ▲ 760801 (-4.6, -1.4)
- ▲ 760802 (-1.5, -1.0)
- ▲ 760803 (-0.5, -0.5)
- ▲ 760804 (+1.0, -0.4)
- ▲ 734320 (-0.9, +1.1)
- ▲ 759320 (-0.9, +1.6)
- ▲ 34801 (0.0, 0.0)
- ▲ 734804 (0.0, 0.0)
- ▲ 734805 (+4.9, -5.3)
- ▲ 734806 (-3.1, +2.3)
- ▲ 734807 (+1.1, -0.1)

STRIP 4

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

▲ Horizontal points used as control
△ Horizontal points used as checks

AEROTRIANGULATION SKETCH
SAN CLEMENTE ISLAND; CALIF.
PH-7103
AUGUST, 1971

TP-00382

TP-00383

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-7108	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODEIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		REMARKS	
					STATE	ZONE	φ	λ	φ	λ	Division, AMC, Norfolk, Virginia	Coastal Mapping		
TP-00384														
BLACK POINT, 1860	Quad 321184 P. 1006							x=	φ	32	56	45.318	1396.1	(452.2)
								y=	λ	118	32	10.668	277.1	(1281.4)
ABALONE, 1933	Quad 321184 P. 1001							x=	φ	32	57	35.400	1090.6	(757.8)
								y=	λ	118	33	42.949	1115.4	(442.9)
EEL POINT, 1933	Quad 321184 P. 1019							x=	φ	32	55	05.456	168.1	(1680.3)
								y=	λ	118	32	42.461	1103.3	(455.7)
FIN, 1933	Quad 321184 P. 1020							x=	φ	32	59	22.913	705.9	(1142.5)
								y=	λ	118	34	42.511	1103.7	(454.1)
JOE, 1933	Quad 321184 P. 1028							x=	φ	32	58	31.283	963.7	(884.7)
								y=	λ	118	31	49.803	1293.2	(264.8)
CAIN, 1952	Quad 321184 P. 1011							x=	φ	32	58	05.269	162.3	(1686.1)
								y=	λ	118	31	31.917	828.9	(729.3)
CLIFF, 1933	Quad 321184 P. 1015							x=	φ	32	56	36.484	1123.9	(724.5)
								y=	λ	118	30	15.130	393.0	(1165.6)
MOTHER, 1952	Quad 321184 P. 1034							x=	φ	32	56	36.383	1120.8	(727.5)
								y=	λ	118	30	18.598	483.1	(1075.5)
PELICAN, 1952	Quad 321184 P. 1040							x=	φ	32	57	25.600	788.6	(1059.8)
								y=	λ	118	30	51.716	1343.2	(215.1)
QUEEN, 1933	Quad 321184 P. 1043							x=	φ	32	59	55.559	1711.6	(136.8)
								y=	λ	118	32	49.894	1295.2	(262.4)
COMPUTED BY	L. O. Neterer, Jr.	DATE	9/29/71	COMPUTATION CHECKED BY	J. Bulfer	DATE	10/01/71							
LISTED BY		DATE		LISTING CHECKED BY		DATE								
HAND PLOTTING BY		DATE		HAND PLOTTING CHECKED BY		DATE								

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	PH-7108	GEODETIC DATUM	NA	1927	ORIGINATING ACTIVITY	Coastal Mapping
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET	STATE	ZONE	φ LATITUDE λ LONGITUDE	REMARKS FORWARD BACK
RANDALL, 1952	Quad 321184 P. 1045		x=			φ 32 58 31.311	964.6 (883.8)
			y=			λ 118 31 51.359	1333.6 (224.4)
RED, 1933	Quad 321184 P. 1046		x=			φ 32 56 57.384	1767.8 (80.6)
			y=			λ 118 33 11.483	298.3 (1260.2)
SHELL, 1933	Quad 321184 P. 1053		x=			φ 32 58 21.912	675.0 (1173.4)
			y=			λ 118 34 21.980	570.8 (987.3)
SPRAY, 1947	Quad 321184 P. 1057		x=			φ 32 55 58.395	1798.9 (49.5)
			y=			λ 118 32 53.785	1397.3 (161.5)
STICKER, 1952	Quad 321184 P. 1058		x=			φ 32 57 49.245	1517.0 (331.4)
			y=			λ 118 31 10.090	262.0 (1296.2)
SAN CLEMENTE ISLAND NORTH BASE, 1860	Quad 321184 P. 1051		x=			φ 32 59 56.746	1748.1 (100.3)
			y=			λ 118 33 58.811	1526.7 (30.9)
U. S. COAST GUARD BEACON, 1952	Quad 321184 P. 1045		x=			φ 32 58 30.967	954.0 (894.4)
			y=			λ 118 31 51.364	1333.8 (224.2)
MARTIN, 1862	Quad 321184 P. 1033		x=			φ 32 56 06.507	200.5
			y=			λ 118 30 22.080	573.6
GULL, 1860	Quad 321184 P. 1024		x=			φ 32 57 50.387	1552.2
			y=			λ 118 31 57.024	1481.0
RIDGE, 1860	Quad 321184 P. 1047		x=			φ 32 59 14.107	434.6
			y=			λ 118 33 11.295	293.3
COMPUTED BY L. O. Neterer, Jr.		DATE 9/29/71	COMPUTATION CHECKED BY J. Bulfer			DATE 10/01/71	
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-00384

FIELD EDITEast Side

Partial edit applied. Edit was satisfactory in all respects, except one light was not inspected for its landmark/aid value. The edit report explains this omission.

NOTE: Compilation report not submitted by Rockville office.

West Side

Final field edit covering the western shore of this map was done by Ens. John Osborn, commanded by Cdr. Charles Townsend of the NOAA Ship RAINIER on October 17 and 18, 1975. As stated in his Field Edit Report, weather and surf conditions made it difficult to accomplish a good edit.

This original manuscript was compiled by the Coastal Mapping Section at Rockville, Maryland and all data for this and Maps TP-00382, 383, and 385 were forwarded to PMC prior to September 1971. In response to Ens. Osborn's critique concerning lack of 76-40 forms, it is and was presumed that these and all other pertinent data were sent from the Rockville office. There obviously was no need for 76-40 forms, as there are no charted landmarks on the west shore.

The office at AMC "inherited" the balance of the southern half of this project and, as is our practice, all data was sent. Our subsequent request for completion of edit concerned only those unanswered questions and questionable details of the west coast which were not previously completed.

Foul limits put on photogrammetrically. No information on submerged rocks. See Field Edit Report for west side.

July 11, 1978

11

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7108 (San Clemente Island, California)

TP-00384

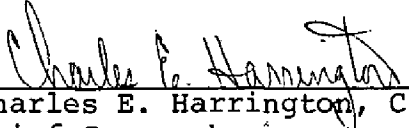
Eel Point

Outer Santa Barbara Passage

Pacific Ocean

San Clemente Island

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 - 00384			
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 JLB
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
40. REVIEWER Jim Byrd <i>Jim Byrd</i>		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. R. Minton/East Coast <i>J. R. Minton</i> J. Byrd/West Coast <i>J. Byrd</i> Reviewer Jim Byrd/East Coast <i>Jim Byrd</i> A. Rauck, Jr./West Coast <i>A. Rauck, Jr.</i>		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS Edit for the east coast was applied from Field Edit Ozalid and Photos 71L-1857, 1859, and 1860 ^{on} December 1974. The west coast field edit was not complete at this date but was completed on October 17 and 18, 1975 and was applied from Field Edit Ozalid and Photos 71L-1870 through 1875, February 1976.			
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.

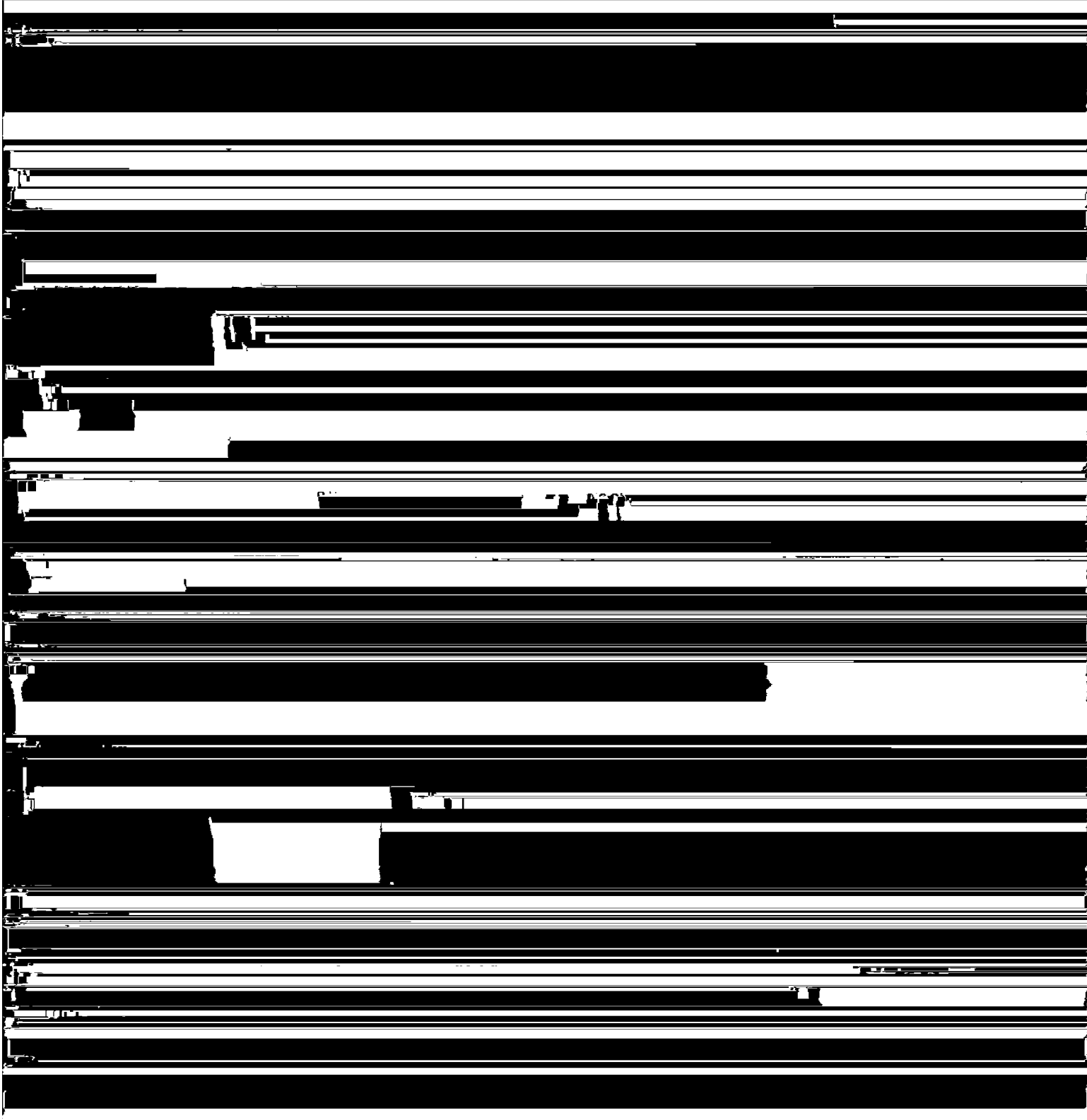
The field edit was performed on regular ozalid prints instead of discrepancy prints since the discrepancy prints had not been received at the time. After the discrepancy prints arrived, it was noted that some items requested had not been accomplished, but due to operational requirements, no additional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



(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

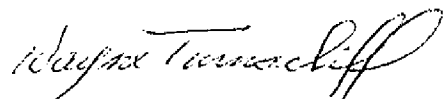
Joining field edit ozalid TP-00383 to the west and continuing around the northern tip of San Clemente Island is field edit ozalid TP-00382. Two photos, 71L1863 and 71L1864, were used in the field edit. There appeared to be underwater obstructions installed by the military on the beach approach in the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

The time reference for the entire field edit was $105^{\circ}W$. 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. Turnacli
LTJG, NOAA

FIELD EDIT REPORT
OPR-411-RA-1975 (FALL)

SAN CLEMENTE ISLAND
CALIFORNIA
TP-00384

NOAA Ship RAINIER
CDR. Charles K. Townsend
Commanding

INTRODUCTION

Field edit was carried out by personnel of the NOAA Ship RAINIER on 17-18 October 1975. The general region covered was the central western coastline of San Clemente Island, off the Southern California coast. Work was carried out by two parties in 18' Boston Whalers (WZ 2570 & WZ 2579 respectively) on the 17th, and one shore party on the 18th.

Field edit commenced at the junction of manuscript T-Sheets TP-00383 and TP-00384, on the western side of the island, south of West Cove, at latitude 33° 00.0' N. The work progressed southward, along the western shoreline, to latitude 32° 55.0' N, south of Eel Point. This encompassed the entire west side of manuscript T-Sheet TP-00384. This was a special project, given to the RAINIER on very short notice. Manuscript T-Sheet TP-00384 was not completed when hydrography was accomplished during

OPR-411-RA-71, and not picked up when the project was completed in 1974. Further, Tide gage information was not made available during the project.

The first days work, from sea with one party starting from the northern limits and one party starting from the southern limits, consisted primarily of foreshore verification, with attempts at specific rock identification and estimated heights to outline foul areas. The second days work, from shore with the one party starting from the northern limits, comprised further foreshore verification, additional rock identification with estimated heights, plus magnetic bearings and distances in meters from the

Mean High Water Line to objects considered identifiable and recoverable from the photographs used.

Photographs used during field edit were L 1870-L 1875, dated 6 March 1971. All times are referenced to Greenwich Mean Time.

ADEQUACY OF COMPILATION

Adequacy of information pertaining to rocks baring, reefs, and ledges is highly suspect. These are several reasons to support this statement. One is the poor weather conditions encountered on both days. The heavy overcast cut into the contrast needed for good visual identification. Second, the extremely foul nature of the entire shoreline region of manuscript T-Sheet TP-00384 made accurate identification difficult. Finally, large swells and heavy surf made the distinction between rocks baring, rocks awash, and shoreline extensions extremely inaccurate.

The measurements to the Mean High Waterline could also be lacking in adequacy. The objects measured from may not be recoverable. Secondly, the measurements themselves may be unusable. Finally, the heavy surf made the distinction of the Mean High Water Line difficult to approximate.

The foreshore compilation (cliff regions, beaches, landmarks, etc.) was excellent however, and was considered by the field edit party to be adequate for charting purposes. The foreshore was further reverified the second day by the field edit shore party.

Due to physical and time limitations, the field edit methods

described previously were the only feasible ones open to the parties involved, and it was felt that the adequacy obtained was the best that could be accomplished.

SHORELINE SUMMARIES

MANUSCRIPT T-SHEET TP-00384

The entire shoreline region, with the exception of a few small isolated coves noted on the photographs, is foul with rocks, rocks awash, submerged rocks, and rock reefs and ledges. In addition, the offshore region out to approximately 150 meters is foul with submerged boulders. This is also a region of heavy kelp concentration thus can be seen in the photographs.

North of the concrete base at the turnout labeled on photograph L-1870, 6 March 1971 (approximate latitude and longitude; $32^{\circ} 59' 26''$ N and $118^{\circ} 34' 41''$ W) the foreshore is too vertical for Mean High Water Line measurements. It can be assumed that the cliff base approximates the M.H.W.L. best. The southernmost tower, as labeled on N.O.S. chart 18762 was verified by the shore party as being demolished. The position is marked on photograph L-1871, 6 March 1971 (approximate latitude and longitude; $32^{\circ} 58' 43''$ N and $118^{\circ} 54' 28''$ W). Refer to enclosed xerox copy of the appropriate portion of N.O.S. chart 18762. The wreck, as shown on N.O.S. chart 18762, was verified to exist in the region circled on the Field Edit copy of the Discrepancy Print by the field edit shore party. It is labeled on photograph L-1875, 6 MAR 71, (approximate latitude and longitude $32^{\circ} 55' 16''$ N and $118^{\circ} 32' 37''$ W). Refer to enclosed Xerox

copy of the appropriate portion of N.O.S. Chart 18762. South of this position to the field edits limits, Eel Point, the fore-shore region is too vertical for Mean High Water Line measurements. again it can be assumed that the cliff base approximates the M.H.W.L..

Fourteen distances in meters and magnetic bearings were taken from the approximate Mean High Water Line to objects considered identifiable and recoverable on the photographs used. Descriptions are listed in the following section:

DESCRIPTIONS OF M.H.W.L. MEASUREMENTS

(Numbers are labeled on respective photographs)

1) Photograph L-1870, 6 MAR 71

3.5 meters, 090° Magnetic Bearing Measured from the highest tip of a large blackish rock outcrop near the north edge of the labeled sandy beach (within the beach) to the M.H.W.L. as approximated by field edit party.

2) Photograph L-1870, 6 MAR 71

11.2 meters, 240° Magnetic Bearing Measured from a point at the end of a prominent gulley near a turnout in the road, just landward of a small brownish green clump of vegetation to the M.H.W.L. as approximated by field edit party.

3) Photograph L-1870, 6 MAR 71

18.7 meters, 245° Magnetic Bearing Measured from the Northwest corner of a blockhouse near the turnout by the gunnery target tracks to the M.H.W.L. as approximated by field edit party.

4) Photograph L-1871, 6 MAR 71

33.0 meters, 233° Magnetic Bearing Measured from the Northwest (seaward) corner of the L-shaped patch of sand, surrounded by brownish, green vegetation, inside the bend in the nearby road to the M.H.W.L. as approximated by field edit party.

5) Photograph L-1871, 6 MAR 71

42.5 meters, 231° Magnetic Bearing Measured from the inside apex at the Northwest end of a fork in the shoreline road to the M.H.W.L. as approximated by field edit party.

6) Photograph L-1872, 6 MAR 71

5.6 meters, 063° Magnetic Bearing Measured from the seaward edge of a boulder that is seaward of a wedge shaped, greyish rock outcrop to the M.H.W.L. as approximated by field edit party.

7) Photograph L-1872, 6 MAR 71

2.0 meters, 070° Magnetic Bearing Measured from the point of greyish rock curling around a tidal pool at the edge of a cobble beach to the M.H.W.L. as approximated by field edit party.

8) Photograph L-1872, 6 MAR 71

3.5 meters, 190° Magnetic Bearing Measured from the Northward jutting tip of a greyish rock outcrop, surrounded on the seaward side by a darker grey cobble and boulder beach, to the M.H.W.L. as approximated by field edit party.

9) Photograph L-1872, 6 MAR 71

The edge between the brownish colored kelp bed and the darker grey rock beach approximates the M.H.W.L. No measurements were necessary.

10) Photograph L-1873, 6 MAR 71

The southeast corner of the large reddish-gray rock that is southeast of a large reddish colored butte approximates the M.H.W.L. No measurements were necessary.

11) Photograph L-1874, 6 MAR 71

The seaward edge of the brownish, green kelp bed at the gray cobble beach border, at the edge of a spur in the shoreline road approximates the M.H.W.L. No measurements were necessary.

12) Photograph L-1874, 6 MAR 71

The base of the cliff at the end of the north fork in the road approximates the M.H.W.L. No measurements were necessary.

13) Photograph L-1874, 6 MAR 71

The far edge of whitish pipe, landward of the white cement spot, at the point where the white pipe breaks off for 6 feet of reddish rusted iron pipe, approximates the M.H.W.L. No measurements were necessary.

14) Photograph L-1875, 6 MAR 71

3.5 meters, 035° Magnetic Bearing Measured from the seaward edge of a whitish, gray outcrop with white driftwood landward and a gray cobble beach seaward to the M.H.W.L. as approximated by field edit party.

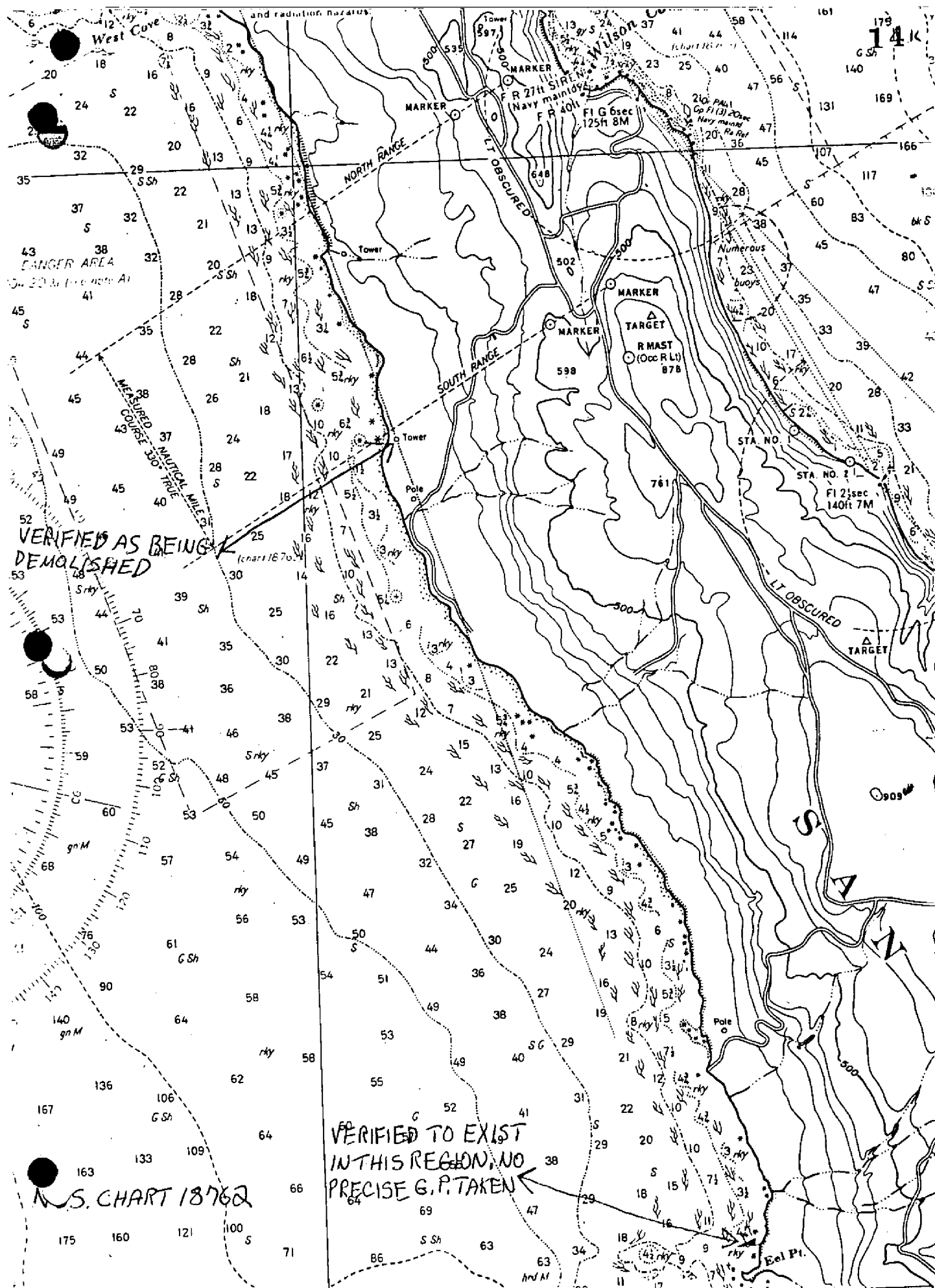
RECOMMENDATIONS

All information gathered during the two days of field edit on San Clemente Island is submitted either in this report or annotated on the photographs. Some of the annotations are in water regions

on the photographs, and may be difficult to read. There is no master index of work completed either. The value or recoverability of much of this information is doubtful. It is recommended that the entire shoreline be labeled as foul, and that offshore to approximately 150 meters be labeled as foul with submerged boulders. They are a definite hazard to navigation. All rocks baring and rocks awash previously charted should be kept as such. Chart updatings should be carried out on the tower. Finally, only photographs, two paper ozalids, and a discrepancy print were supplied to the ship. 76-40's were not included either. This lack of quantity in proper field edit materials proved to be a hinderance and should be rectified.

Respectfully submitted,

Thomas W. Richards
for John C. Osborn
Ensign, NOAA



APPROVAL SHEET

FIELD EDIT

OPR-411-RA-75 (Fall)

The field work and data were examined daily in the field. Standard procedures were observed in accordance with the Hydrographic Manual, PMC OPORDER, the Topographic Manual and Photogrammetry Instructions.

The T-Sheets and the accompanying records have been examined by me and are considered complete and adequate for charting purposes except as noted in the "ADEQUACY OF COMPILATION" section of this report and are approved as such.



Charles K. Townsend
CDR., NOAA

[illegible]

Replaces C&GS Form 567.

NON-FLUORESCENT 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.)

☐ TO BE CHARTED	REPORTING UNIT (<i>Field Party, Ship or Office</i>)	STATE	LOCALITY	DATE
☐ TO BE REVISED				
☒ TO BE DELETED				
Coastal Mapping Div.		California	San Clemente Island	Feb. 1975
AMC- Norfolk, Va.				

The following objects HAVE ☒ HAVE NOT ☐ been inspected from seaward to determine their value as landmarks.

[illegible]

(4) lat. $32^{\circ}57.55'$, long. $118^{\circ}33.85'$ (5) lat. $32^{\circ}57.3'$, long. $118^{\circ}33.6'$. They were not shown on this map, since they could not be seen on the photos.

H-9376 shows the South Range Measured Nautical Mile Markers which were not shown on this map. (See item 61 of this Review Report).

H-9246 shows a rock, at lat. $32^{\circ}59.05'$, long. $118^{\circ}32.45'$. This rock could not be seen on the photos and, therefore, was not shown on this map.

65. COMPARISON WITH NAUTICAL CHARTS:

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

The charts show the South Range Measured Nautical Mile Markers which are not shown on this map. (See Item #61 of this Review Report).

Neither the compilation office nor the field editor located the Charted roads or the numerous bluffs. They were not shown on this map.

The Charts show three triangulation stations each labeled TARGET. The Charts shows two landmarks STA No. 1 and STA No. 2 near the east shore. The Charts also show four landmarks (position approx.) (tower, tower, pole, pole) on the western shore. None of these items were shown on this map, since they could not be seen on photography and they were not located or verified by the compilation office or the field editor.

The Chart shows some small, offshore rocks with a mean high water line at approx. lat. $32^{\circ}57'$, long. $118^{\circ}33.4'$ and several other rocks awash and submerged rocks along the western shore. They were not shown on this map since they could not be seen on photography and the field editor did not submit any data on them.

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. They 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 A. Shontz
Acting
Chief, Photogrammetric Branch, AMC

Approved:

John D. Perrow Jr.

James Allen

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

