

TP-00711

TP-00711

NOAA FORM 76-35  
(6-80)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## DESCRIPTIVE REPORT

THIS MAP EDITION WILL NOT BE FIELD EDITED

Map No.

TP-00711

Edition No.

1

Job No.

CM-7604

Map Classification

CLASS III (FINAL)

Type of Survey

SHORELINE

## LOCALITY

State

CALIFORNIA

General Locality

POINT CONCEPTION TO POINT ESTERO

Locality

POINT SAN LUIS

19 76 TO 19

REGISTERED IN ARCHIVES

DATE

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP- <u>00711</u> MAP EDITION NO. (1) MAP CLASS <u>III</u> Final JOB <u>XX-CM-7604</u>	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEDING MAP EDITION			
				TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		JOB PH- _____ MAP CLASS _____ SURVEY DATES: 19 ____ TO 19 ____	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division				OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation June 10, 1976				Pre-marking January 12, 1976			
Compilation August 20, 1976				Tide Observations January 23, 1976			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION Lambert Conformal				4. GRID(S) STATE California ZONE 5			
5. SCALE 1:10,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY METHOD: <u>Analytic</u> LANDMARKS AND AIDS BY				B. Thornton		Aug 1976	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: <u>Coradomat</u> CHECKED BY				H. Jones		Aug 1976	
				H. Jones		Aug 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				G. Morris		May 1977	
INSTRUMENT: <u>Wild B-8</u> CONTOURS BY				Jim Byrd		May 1977	
SCALE: <u>1:15,000</u> CHECKED BY				N.A.			
				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. R. Kravitz		Oct 1977	
CHECKED BY				Jim Byrd		Nov 1977	
METHOD:				N.A.			
CHECKED BY				N.A.			
SCALE: <u>1:10,000</u> HYDRO SUPPORT DATA BY				R. R. Kravitz		Oct 1977	
CHECKED BY				Jim Bryd		Nov 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				Jim Bryd		Dec 1977	
6. APPLICATION OF FIELD EDIT DATA BY				N.A.			
CHECKED BY				N.A.			
7. COMPILATION SECTION REVIEW <u>CLASS III</u> BY				C. Blood		Oct 1984	
8. FINAL REVIEW <u>CLASS III FINAL</u> BY				C. Blood/J. Byrd		Oct 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Byrd		Jan. 1985	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				J. Schad		May 1985	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				E. DAUGHERTY		JUN 85	



TP-00711

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) focal length 152.44 mm  
Wild R. C.-10"B"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

## MERIDIAN

120th

☒ STANDARD☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
76B(C) 3059-3063#	Mar 19, 1976	13:14	1:30,000	3.6 ft. above MLLW
76B(I) 2372-2373*	Mar 13, 1976	08:50	1:30,000	0.10 ft. below MHW
76B(I) 2384-2385*	Mar 13, 1976	08:58	1:30,000	0.20 ft. below MHW
76B(I) 2963-2966**	Mar 15, 1976	14:20	1:30,000	0.14 ft. below MLLW
76B(I) 3171**	Mar 21, 1976	09:50	1:30,000	0.01 ft. above MLLW
				Mean Tide Range MTR=3.6 ft.

## REMARKS

#Compilation photography. Predicted tides

MHW at subordinate station--4.5 ft. Avila Beach, San Luis Obispo Bay

## 2. SOURCE OF MEAN HIGH-WATER LINE:

\*The mean high water line was compiled graphically from the above listed tide coordinated infrared photographs at mean high water.

3. SOURCE OF ~~MEAN HIGH-WATER LINE~~ <sup>Lower</sup> MEAN LOWER LOW-WATER LINE:

\*\*The mean low water line was compiled graphically from the above listed tide coordinated infrared photographs at mean lower low water.

## 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-00712 1:10,000	No survey	TP-00710 1:20,000

## REMARKS



## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION.

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Feb 1976
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Feb 1976
	ESTABLISHED BY R. Melby	Mar 1976
	PRE-MARKED OR IDENTIFIED BY R. Melby	Feb 1976
3. VERTICAL CONTROL	RECOVERED BY None	
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY None	
	LOCATED (Field Methods) BY R. Melby	Mar 1976
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76B(C) 2278	CHERRY, 1933		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
76 B(c)3060	San Luis Obispo Lighthouse, 1933		
	San Luis Obispo Light, 1976		

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 76-4D, 1--Form 152

TP-00711

## 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.	Oct. 1977	Class III manuscript	Dec. 1980	
Final Review Class III	Oct 1984	Class III (Final)	May 1985	

## II. LANDMARKS AND AIDS TO NAVIGATION

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

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2	Chart Letter 1636	May 1985	Landmarks and Aids to Navigation

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

## III. FEDERAL RECORDS CENTER DATA

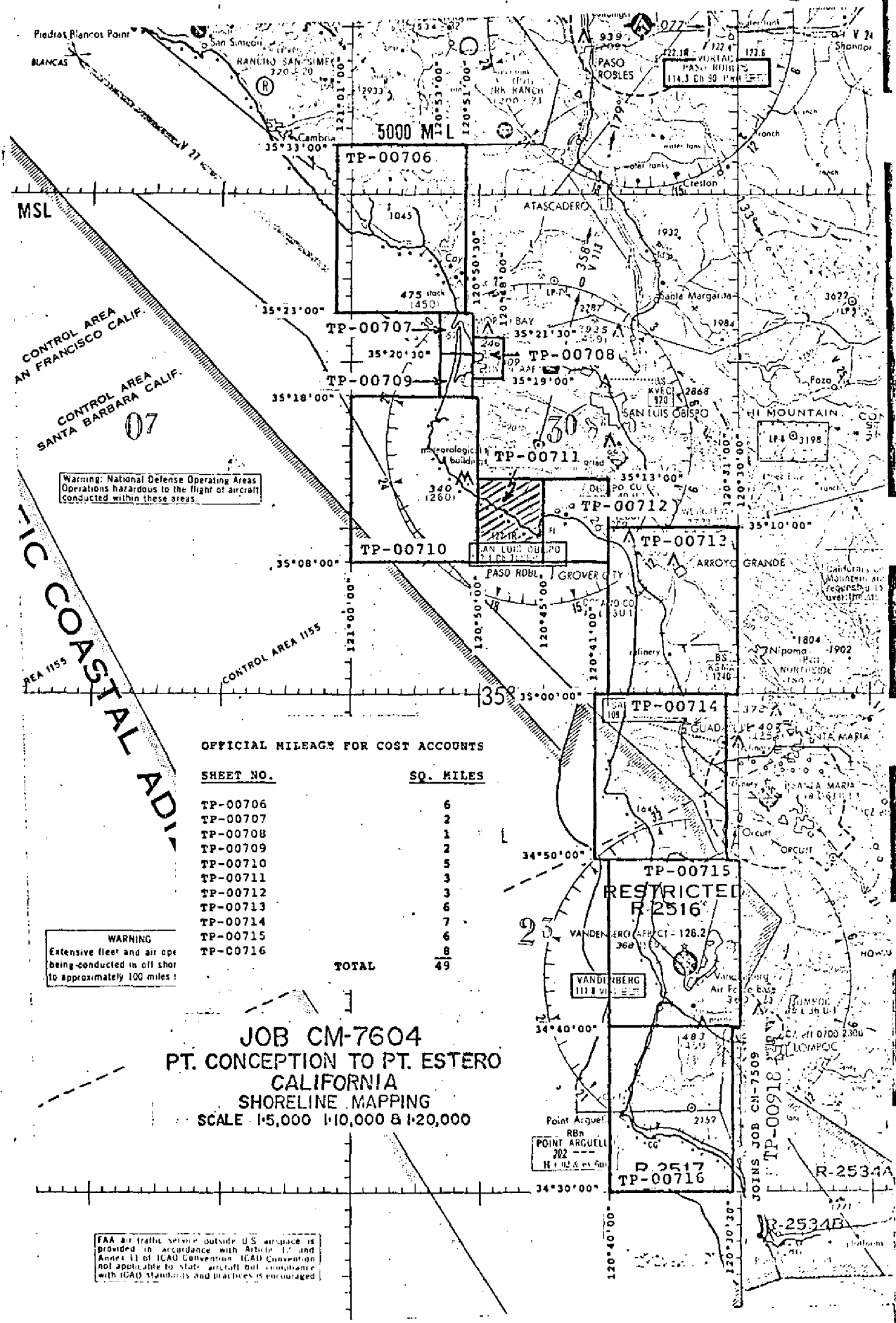
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

Field edit mylar ozalids were lost.

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

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

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



CONTROL AREA  
SAN FRANCISCO CALIF.  
CONTROL AREA  
SANTA BARBARA CALIF.

Warning: National Defense Operating Areas  
Operations hazardous to the flight of aircraft  
conducted within these areas

PACIFIC COASTAL ADI

OFFICIAL MILEAGE FOR COST ACCOUNTS

SHEET NO.	SQ. MILES
TP-00706	6
TP-00707	2
TP-00708	1
TP-00709	2
TP-00710	5
TP-00711	3
TP-00712	3
TP-00713	6
TP-00714	7
TP-00715	6
TP-C0716	8
<b>TOTAL</b>	<b>49</b>

WARNING  
Extensive fleet and air ops  
being conducted in off shore  
to approximately 100 miles

JOB CM-7604  
PT. CONCEPTION TO PT. ESTERO  
CALIFORNIA  
SHORELINE MAPPING  
SCALE 1:5,000 1:10,000 & 1:20,000

FAA air traffic service outside U.S. airspace is  
provided in accordance with Article 12 and  
Annex 11 of ICAO Convention. ICAO Convention  
not applicable to State aircraft but compliance  
with ICAO standards and practices is encouraged

RESTRICTED  
R-2516

POINT ARGUEL  
282

P 2517  
TP-00716

JOINS JOB CM-7509  
TP-00918

R-2534A

R-2534B

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00711

This 1:10,000 scale final Class III shoreline map is one of eleven maps designated as project CM-7604, Point Conception to Point Estero, California.

The purpose of this project was to provide current charting information for nautical chart maintenance and to furnish support data for hydrographic operations.

This final Class III map portrays a portion of rocky bluff shoreline from Latitude  $35^{\circ}12'$  south to San Luis Obispo Bay.

Field work prior to compilation consisted of the recovery and identification of horizontal control necessary for the aerotriangulation of the project and the establishing and monitoring of tide gages while the tide coordinated infrared photographs were being taken. This activity was completed March 1976.

Photo coverage was adequately provided by natural color and tide coordinated infrared photographs with the RC-10 (B) camera March 1976 at 1:30,000 scale. Offshore photo centers represented only the infrared tide coordinated photographs. The infrared photographs supplemented the color compilation model photographs to graphically delineate rocks and both the MLLW and the MHW lines.

Analytic aerotriangulation was adequately provided by the Washington Science Center August 1976. Aerotriangulation operations included ruling the base manuscripts and determining ratio values for photographs.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center in December 1977. Compilation included graphic use of MHW and MLLW tide coordinated infrared photographs to compile the MLLW and MHW lines. Refer to the Compilation Report, Item 31, Form 76-36B for specific usage of the photographs.

Materials for field edit were sent to Pacific Marine Center April 1978. Field edit was canceled and the project was returned to AMC for final review.

Final review was performed in the compilation section at the Atlantic Marine Center October 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Charts Branch.

This Descriptive Report contains all pertinent information used to compile this final Class III map. The original base manuscript and all related data were forwarded to the Washington Science Center for final registration.

## FIELD INSPECTION

There was no field inspection prior to compilation. Field work accomplished was limited to the recovery and identification (premarking) of the horizontal control necessary for the aerotriangulation of the project and the monitoring of tide gages for the tide coordinated infrared photography.



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Photogrammetric Plot Report  
Pt. Conception to Pt. Estero, California  
CM-7604  
August 1976

Area Covered

The area covered by this report is the southwest coast of California from Pt. Conception to Pt. Estero. This area is covered by six 1:20,000 scale sheets:

TP-00706  
TP-00710  
TP-00713 thru TP-00716

Two 1:10,000 scale sheets:

TP-00711  
TP-00712

Three 1:5,000 scale sheets:

TP-00707 thru TP-00709

Method

Four strips of color photography were bridged by analytic aerotriangulation methods. Three bridging strips were at a 1:60,000 scale and one strip at 1:30,000 scale photography.

The four strips were controlled by field identified control including some office identified control which was used as checks.

Common points were located on the bridging photography and the tide-controlled IR for ratio purposes. Ratios were ordered on August 11, 1976. In addition, common points were located on the bridging and compilation photography. The points read on the bridging strips are more than adequate for compilation purposes. Tie points were used in all four strips to insure an adequate junction of all strips during the adjustments. Sheets were ruled on the coradomat.

Adequacy of Control

Control checked well within map accuracy standards and is more than sufficient for its intended use at the varying manuscript scales.

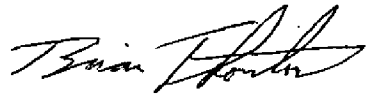
Supplemental Data

USGS quadrangles were used to provide vertical control for the strip adjustments.

Photography

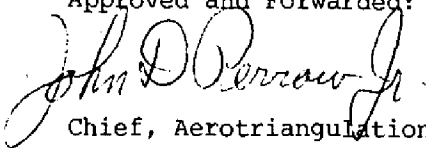
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by:

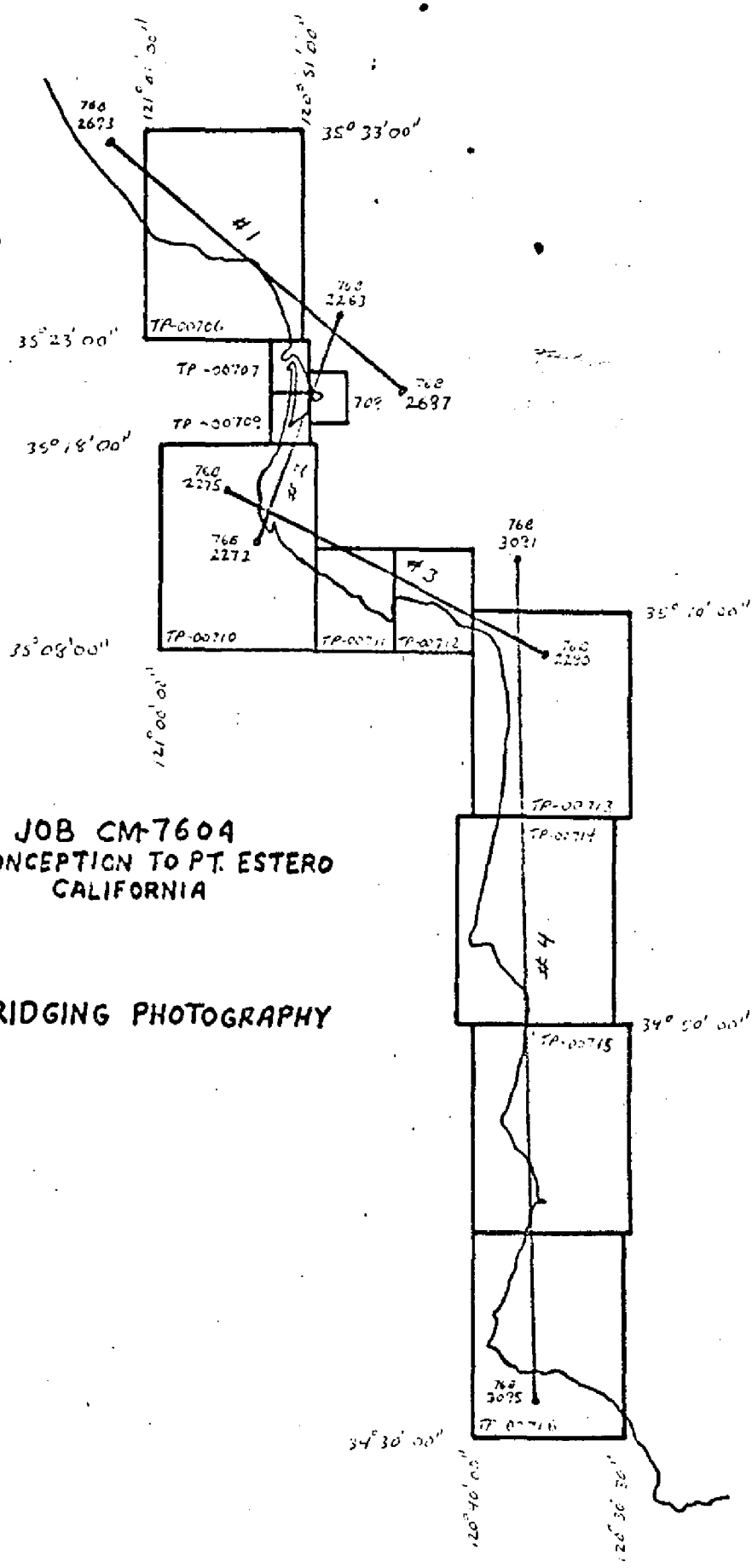


Brian F. Thornton

Approved and Forwarded:

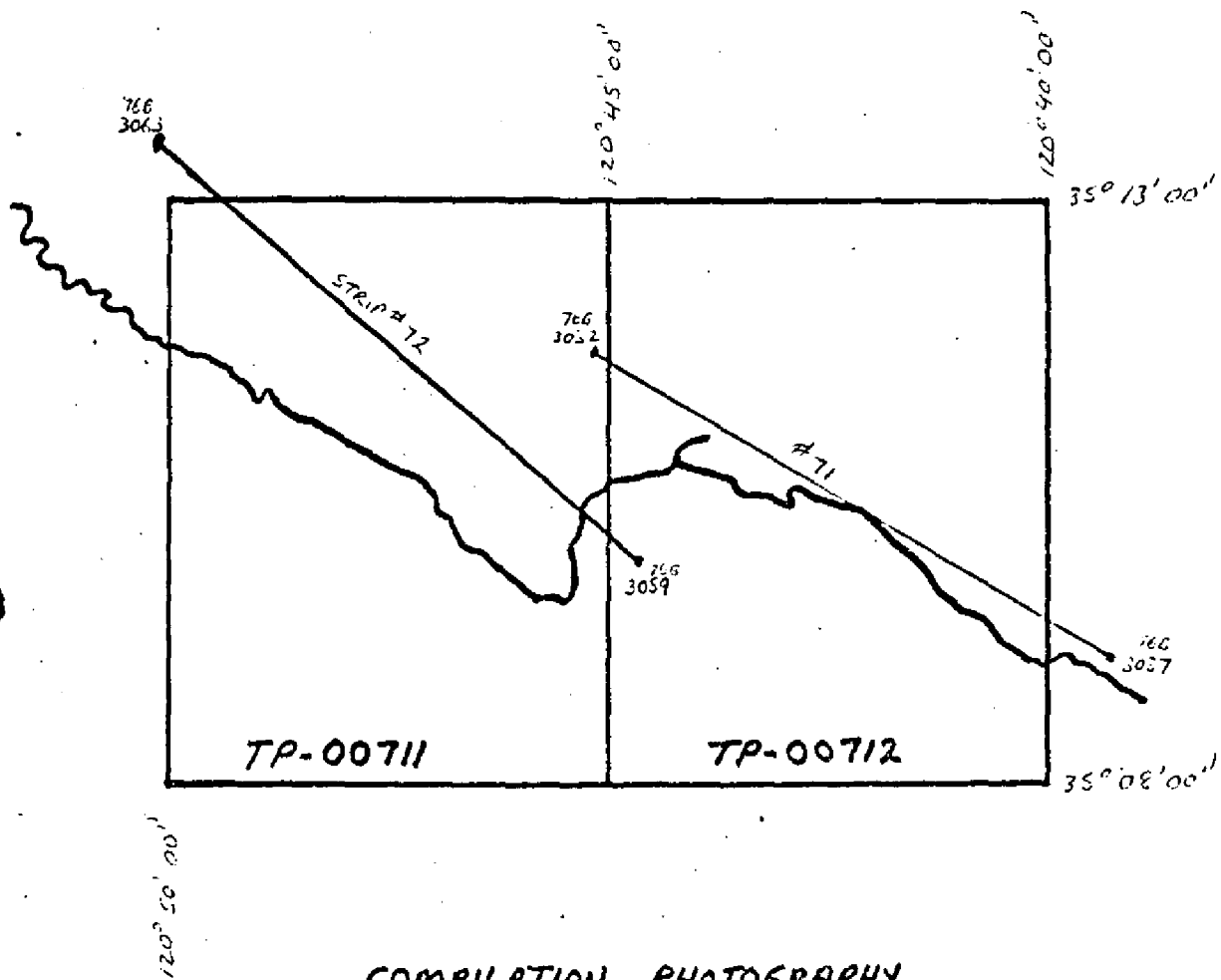


Chief, Aerotriangulation Section



JOB CM-7604  
PT. CONCEPTION TO PT. ESTERO  
CALIFORNIA

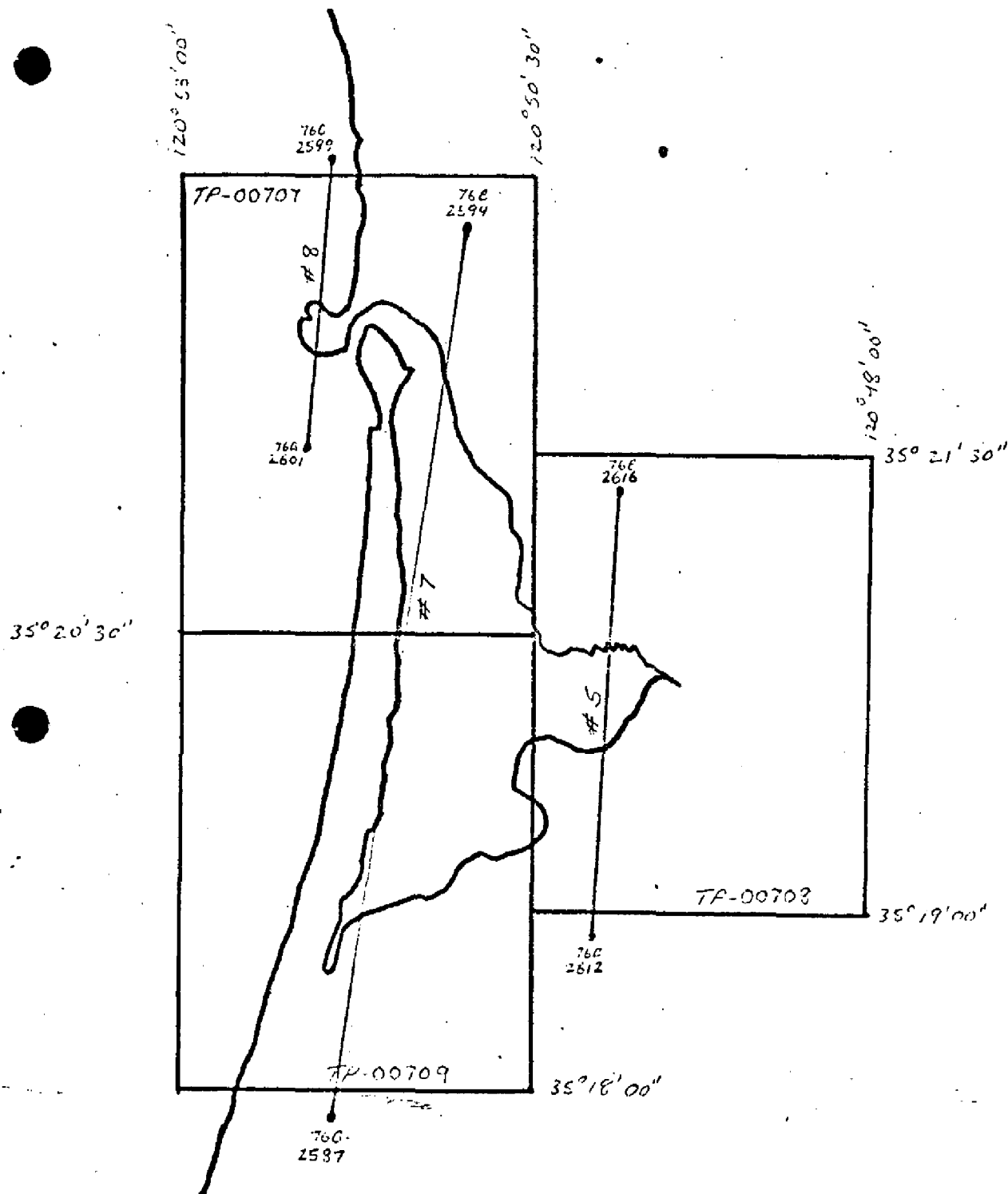
BRIDGING PHOTOGRAPHY



COMPILATION PHOTOGRAPHY

for

1:10,000 SHEETS



COMPILATION PHOTOGRAPHY  
FOR

1:5,000 SHEETS

# Accuracy of Control Used In Strip Adjustment

		X	Y
STRIP #1	267100	-1.4	1.3
	263100	-0.7	2.3
	689100	-1.2	0.3
	691100	0.6	-0.1
	692100	-0.1	0.2

STRIP #2	263100	0.1	-0.1
	267100	-0.2	0.7
	268101	-0.3	-0.6
	269100	0.6	-0.1
	275100	-0.2	0.1

STRIP #3	275100	0.1	0.7
	276100	0.1	-1.5
	278100	-0.0	0.8
	81100	0.4	0.0

STRIP #4 STRIP #4 WAS SENT WITH JOB CM-7509

PT. CONCEPTION TO PT. HUENEME



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY		
					STATE	ZONE	$\phi$ LATITUDE	$\lambda$ LONGITUDE	Coastal Mapping Div.	A.M.C.	
TP - 00711	CM - 7604										
CHERRY, 1933	351203			278100	X=		$\phi$ 35 12 24.476		Front	754.3	(1094.7)
					Y=		$\lambda$ 120 45 55.139			1394.7	(123.0)
WHALERS ISLAND 2, 1933	"			61	X=		$\phi$ 35 09 34.553			1064.8	(784.2)
					Y=		$\lambda$ 120 45 12.726			322.1	(1196.4)
GREEN PEAK, 1872	"			51	X=		$\phi$ 35 12 22.910			706.0	(1143.0)
					Y=		$\lambda$ 120 49 36.194			915.5	(602.2)
OLSON, 1933	"			56	X=		$\phi$ 35 11 25.412			783.1	(1065.9)
					Y=		$\lambda$ 120 48 53.854			1362.5	(155.5)
PECHO ROCK, 1933	"			57	X=		$\phi$ 35 10 46.637			1437.2	(411.8)
					Y=		$\lambda$ 120 48 56.796			1437.1	(81.1)
MGRAY, 1933	"			58	X=		$\phi$ 35 10 43.614			1345.0	(504.0)
					Y=		$\lambda$ 120 47 34.488			872.6	(645.6)
SAN LUIS HILL 2, 1933	"			59	X=		$\phi$ 35 10 06.351			195.7	(1653.3)
					Y=		$\lambda$ 120 45 51.756			1309.7	(208.7)
SAN LUIS OBISPO LIGHT, 1976	Form 28D Field G.P.				X=		$\phi$ 35 09 36.792			1133.8	(715.2)
					Y=		$\lambda$ 120 45 34.392			870.4	(648.1)
SAN LUIS OBISPO LIGHTHOUSE, 1933	351203			60	X=		$\phi$ 35 09 37.285			1149.0	(700.0)
					Y=		$\lambda$ 120 45 35.379			895.4	(623.1)
SAN LUIS OBISPO BAY ROCK OFF BREAKWATER, 1933	"				X=		$\phi$ 35 09 21.286			656.0	(1193.0)
					Y=		$\lambda$ 120 45 00.820			20.8	(1497.8)
COMPUTED BY	A. C. Rauck Jr.			DATE 9/9/76	COMPUTATION CHECKED BY	F. Margiotta	DATE 9/17/76				
LISTED BY	A. C. Rauck Jr.			DATE 9/1/76	LISTING CHECKED BY	F. Margiotta	DATE 9/16/76				
HAND PLOTTING BY	R. R. Kraybill			DATE 08/06/77	HAND PLOTTING CHECKED BY	F. Margiotta	DATE 08/27/77				

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		
				COORDINATES IN FEET STATE ZONE	N.A. 1927	COASTAL MAPPING DIV. AMC	DEPARTURES REMARKS	
STATION NAME								
SAN LUIS OBISPO BAY, OLD HOTEL CHIMNEY, 1933		351203		X=	φ 35 10 18.235	φ 35 10 18.235	561.9 (1287.1)	
				Y=	λ 120 45 20.345	λ 120 45 20.345	514.8 (1003.5)	
SMITH ISLAND, HIGH POINT, 1933		351203		X=	φ 35 09 45.992	φ 35 09 45.992	1417.3 ( 431.7)	
				Y=	λ 120 45 14.254	λ 120 45 14.254	360.7 (1157.8)	
DOUBLE ROCK, OFF STATION OLSON, 1933		351203		X=	φ 35 11 13.66	φ 35 11 13.66	421.0 (1428.0)	
				Y=	λ 120 48 49.20	λ 120 48 49.20	1244.8 (..273.2)	
MINE, 1933		351203		X=	φ 35 12 35.821	φ 35 12 35.821	1103.9 ( 745.1)	
				Y=	λ 120 45 03.456	λ 120 45 03.456	87.4 (1430.2)	
				X=	φ	φ		
				Y=	λ	λ		
				X=	φ	φ		
				Y=	λ	λ		
				X=	φ	φ		
				Y=	λ	λ		
				X=	φ	φ		
				Y=	λ	λ		
				X=	φ	φ		
				Y=	λ	λ		
COMPUTED BY	A. C. Rauck, Jr.		DATE	9/9/76	COMPUTATION CHECKED BY	F. Margiotta	DATE	9/17/76
LISTED BY	A. C. Rauck, Jr.		DATE	9/2/76	LISTING CHECKED BY	F. Margiotta	DATE	9/16/76
HAND PLOTTING BY	R. R. Kravitz		DATE	10/26/77	HAND PLOTTING CHECKED BY	F. Mauldin	DATE	10/27/77

COMPILATION REPORT  
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31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. Instrument compilation was used to delineate shoreline, alongshore and interior detail based upon office interpretation of the 1:30,000 scale bridging/compilation color photographs. Tide coordinated MHW infrared photographs were used to graphically compile the mean high water line and bare rocks. Tide coordinated MLLW infrared ratio photographs were used to graphically compile the approximate mean lower low water line. Control for graphic delineation was provided by the stereo instrument compilation of shoreline detail and common image points.

32 - CONTROL

Horizontal control was adequate. Refer to the photogrammetric plot report dated August 1976.

33 - SUPPLEMENTAL DATA

None.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was compiled from office interpretation of the photographs and comparison with U.S. Geological Survey quadrangles.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore detail compilation are described in Item 31. The color compilation photos have heavy surf. The tide coordinated infrared MHW photography has many areas of shadow from the alongshore bluff making a good identification of the MHWL difficult. The MLLWL and MHWL were compiled graphically with control identified and located by the B-8 stereoplotter using the color/bridging photography. All detail is compiled as of date of photography.

36 - OFFSHORE DETAILS

Offshore rocks and islets were delineated by the Wild B-8 stereoplotter and supplemented with the infrared ratio photographs. Heavy surf made positive identification of offshore rocks difficult.

37 - LANDMARKS AND AIDS

There are two fixed aids and one landmark within the mapping limits of this manuscript. The aids are a light, verified in the compilation model, and a radio beacon which could not be located. The landmark is a light-house tower and was verified in the compilation model.

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38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, Item #5.

40 - HORIZONTAL AND VERTICAL ACCURACY

Refer to Item #32 of this Descriptive Report.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey  
Quadrangle: Port San Luis, CA, scale 1:24,000, dated 1965.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following NOS Charts:  
18700, scale 1:216,116, dated July 3, 1976, 11th edition; 18703, scale  
1:40,000; dated December 27, 1975, 12th edition; and 18704, scale 1:20,000,  
dated May 11, 1974, 9th edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

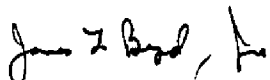
None.

Submitted by,



Robert R. Kravitz  
Cartographic Technician  
October 1977

Approved,



James L. Byrd, Jr.  
Chief, Coastal Mapping Unit, AMC

April 27, 1984

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GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7604 (Point Conception to Point Estero, California)

TP-00711

Double Rock

Lone Black Rock

Pacific Ocean

Pecho Creek

Pecho Rock

Point San Luis

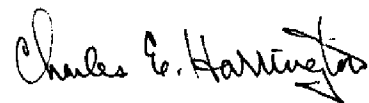
Port San Luis

San Luis Obispo Bay

Smith Island

Whaler Island

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

REVIEW REPORT TP-00711  
SHORELINE

61. GENERAL STATEMENT

See Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following U.S.G.S. Quadrangle: Port San Luis, CA, scale 1:24,000, dated 1965.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Not applicable.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS Charts: 18703, 1:40,000 scale, 18th edition, dated June 11, 1983; 18703, 1:40,000 scale, 12th edition, dated December 27, 1975; 18704, 1:20,000 scale, 10th edition, dated July 22, 1978; and 18704, 1:20,000 scale, 9th edition, dated May 11, 1974.

A comparison between these two charts with the earlier dates and the two charts with current dates indicate that several offshore rocks were added to the current charts from the unreviewed Class III Chart Maintenance Print submitted to Marine Charts April 19, 1978. The compilation photographs were at near high water and had heavy surf with scattered kelp showing on them. The intended purpose of showing the offshore rocks on the 1978 Chart Maintenance Print was to advise the hydrographer of potential hazards. The hydrographer was expected to determine that the rocks did or did not exist. They were never intended for charting purposes because the photo interpretation of them did not render positive identification. The field investigation activity of the editor and hydrographer was canceled for this mapping area after 1978. During final review, a close analysis of the photographs was made and all factors were considered that contributed to the original compilation of these "rocks" and they were removed from the final Class III map.

The shoreline shows several significant changes from the charted shoreline and also from the unreviewed Class III Chart Maintenance Print submitted to Marine Charts in April 1978.

A final Class III Chart Maintenance Print, indicating discrepancies was prepared and forwarded to Marine Charts.

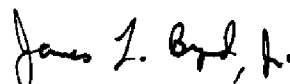


TP-00711

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by,



James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding,



Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,



Chief, Photogrammetric Section, Rockville



Chief, Photogrammetry Branch,  
Rockville



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)
POSITIONS DETERMINED AND/OR VERIFIED	FIELD ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<input type="checkbox"/> OFFICE ACTIVITY REPRESENTATIVE <input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> 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	<b>FIELD (Cont'd)</b> <b>B. 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.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field P - Photogrammetric L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection 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	<b>II. TRIANGULATION STATION RECOVERED</b> 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 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

[illegible]

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
NAME		ORIGINATOR	
OBJECTS INSPECTED FROM SEAWARD		<input type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		OFFICE ACTIVITY REPRESENTATIVE	
<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE			
INSTRUCTIONS FOR ENTRIES UNDER METHOD AND DATE OF LOCATION			
(Consult Photogrammetric Instructions No. 64.)			
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**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods. **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.			

