

TP-00712

TP-00712

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-00712	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 SAN LUIS OBISPO BAY	
19 <sub>76</sub> 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		SURVEY TP. 00712	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS III (Final)	
				<input type="checkbox"/> REVISED		JOB <del>RM</del> CM-7604	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Division, Norfolk, VA				TYPE OF SURVEY		JOB PH. _____	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS _____	
Jeffrey G. Carlen, CDR				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
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				4. GRID(S)			
Lambert Conformal				STATE California		ZONE 5	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				B. Thornton		Aug. 1976	
METHOD: Analytic LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				H. Jones		Aug. 1976	
METHOD: Coradomat CHECKED BY				H. Jones		Aug. 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				George Morris		May 1977	
COMPILATION CHECKED BY				J. Byrd		May 1977	
INSTRUMENT: Wild B-8				None			
SCALE: 1:15,000				None			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Roderick		May 1977	
CHECKED BY				C. Blood		Nov. 1977	
METHOD: Smooth drafted				None			
CHECKED BY				None			
SCALE: 1:10,000 HYDRO SUPPORT DATA BY				J. Roderick		May 1977	
CHECKED BY				C. Blood		Oct. 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				C. Blood		Nov. 1977	
6. APPLICATION OF FIELD EDIT DATA BY				N/A			
CHECKED BY				N/A			
7. COMPILATION SECTION REVIEW Class III BY				C. Blood		Oct. 1984	
8. FINAL REVIEW Class III Final BY				C. Blood/J. Bryd		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-00712

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) focal length=152.74 mm Wild R.C.-10"B"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				Pacific	<input type="checkbox"/> DAYLIGHT
				MERIDIAN	120th
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
76B(C) 3033-3036#	Mar. 19, 1976	12:40	1:30,000	3.7 ft. above MLLW	
76B(I) 2372-2376*	Mar. 13, 1976	08:50	1:30,000	0.10 ft. below MHW	
76B(I) 3172-3174**	Mar. 21, 1976	09:50	1:30,000	0.01 ft. above MLLW	
				Mean Tide Range=3.5 ft.	

REMARKS #Compilation photography. Predicted tides.  
MHW at subordinate station=4.6 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 taken at mean high water.

## 3. SOURCE OF MEAN LOWER LOW-WATER LINE:

\*\*The mean lower low water line was compiled graphically from the above listed tide coordinated infrared photographs taken 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-00713 1:20,000	No survey	TP-00711

REMARKS

TP-00712

## HISTORY OF FIELD OPERATIONS

I. ☒ FIELD ~~INSPECTION~~ OPERATION (pre-marking) ☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Feb. 1976
	R. Melby	" "
2. HORIZONTAL CONTROL	None	
RECOVERED BY		
ESTABLISHED BY	L. Riggers	Feb. 1976
PRE-MARKED OR IDENTIFIED BY		
3. VERTICAL CONTROL	None	
RECOVERED BY	None	
ESTABLISHED BY	None	
PRE-MARKED OR IDENTIFIED BY	None	
4. LANDMARKS AND AIDS TO NAVIGATION	None	
RECOVERED (Triangulation Stations) BY	None	
LOCATED (Field Methods) BY	None	
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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76B(C)2279	San Luis Obispo Eastbase, 1871		

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)

1-Form 152, 1-Form 277

## 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.	May 26, 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
1		May 1985	Landmark

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

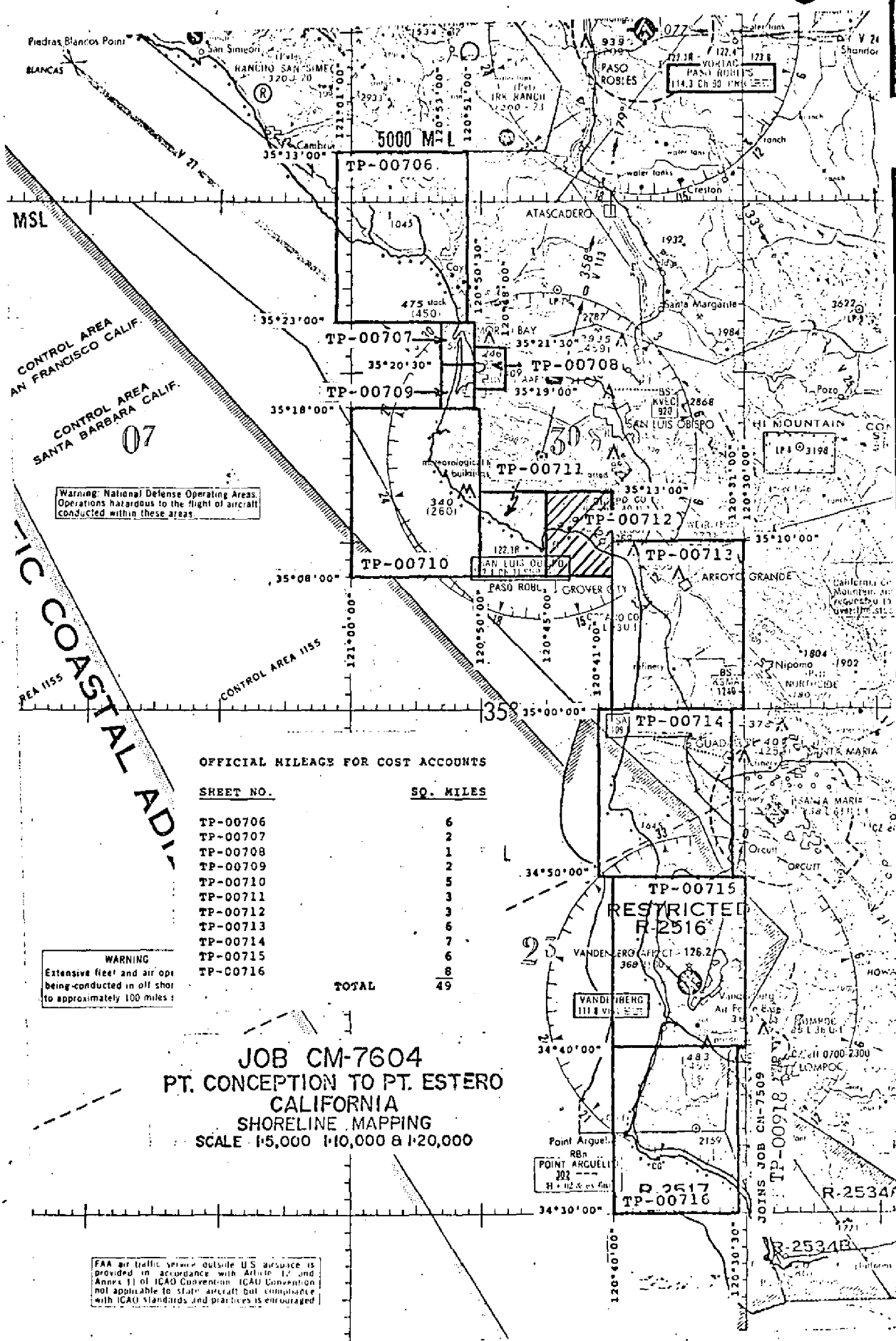
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

Field edit mylar ozalids 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-00716	8
TOTAL	49

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 services 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.

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00712

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 the shoreline from Shell Beach to Avila Beach.

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

Photo coverage was adequately provided by natural color and tide coordinated infrared photographs. All photographs were taken with the Wild RC-10 (B) camera March 1976. The color photographs required for aerotriangulation and compilation were at 1:30,000 scale. The black-and-white infrared photos were taken at 1:30,000 scale and ratioed to the manuscript scale. They were used for graphic delineation of both the MHW and MLLW lines.

Analytic aerotriangulation was adequately provided by the Washington Science Center in 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 November 1977. Compilation included the use of MHW and MLLW tide coordinated infrared photographs ratioed to manuscript scale. Refer to Compilation Report, Item #31 and Form 76-36B for specific usage of the photography.

Field edit materials were sent to PMC in April 1978 for field edit. 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 in 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.

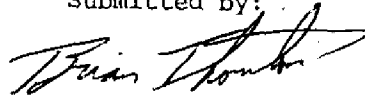
Supplemental Data

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

Photography

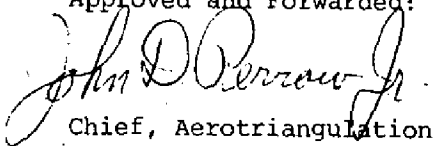
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by:

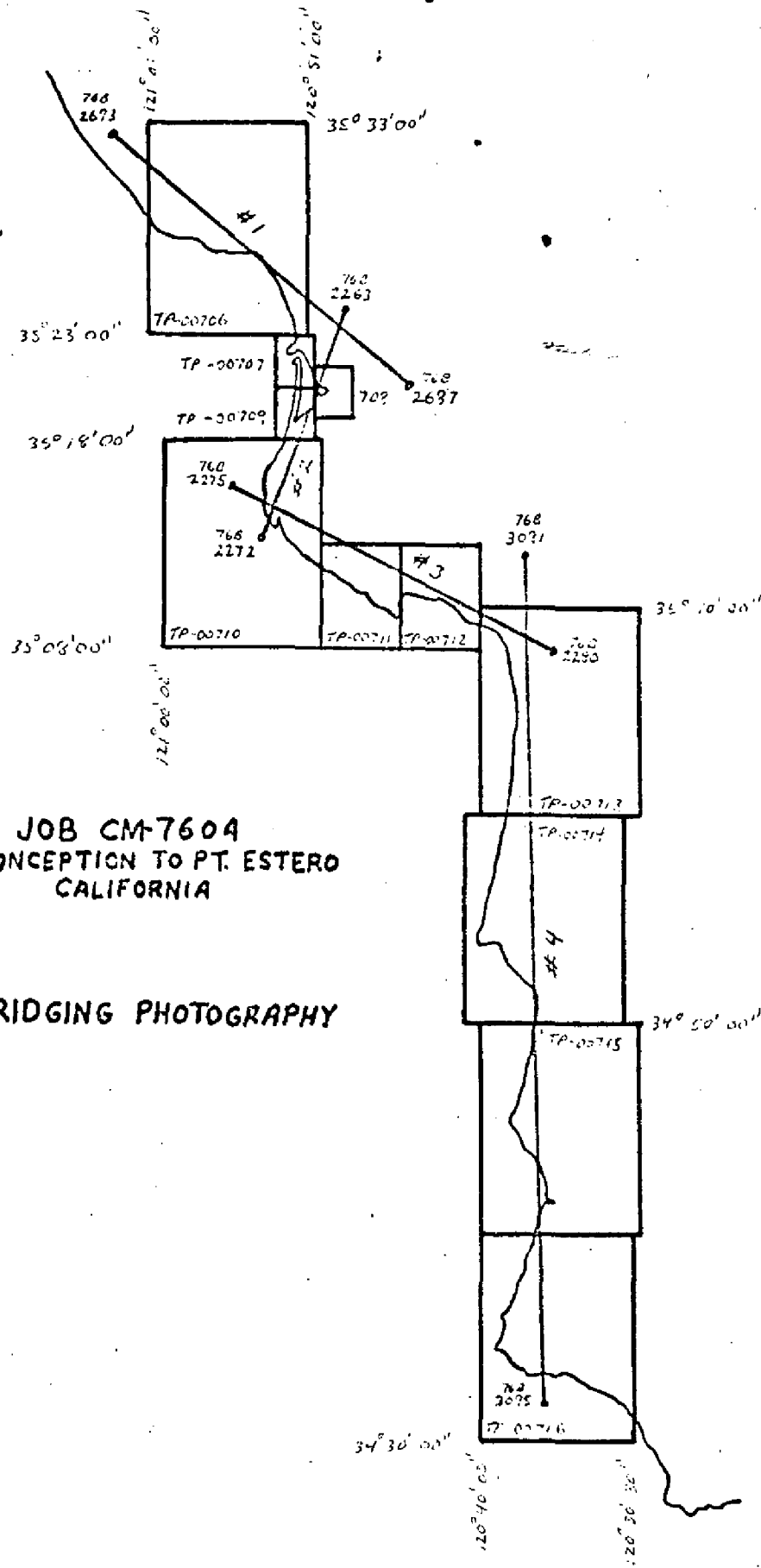


Brian F. Thornton

Approved and Forwarded:

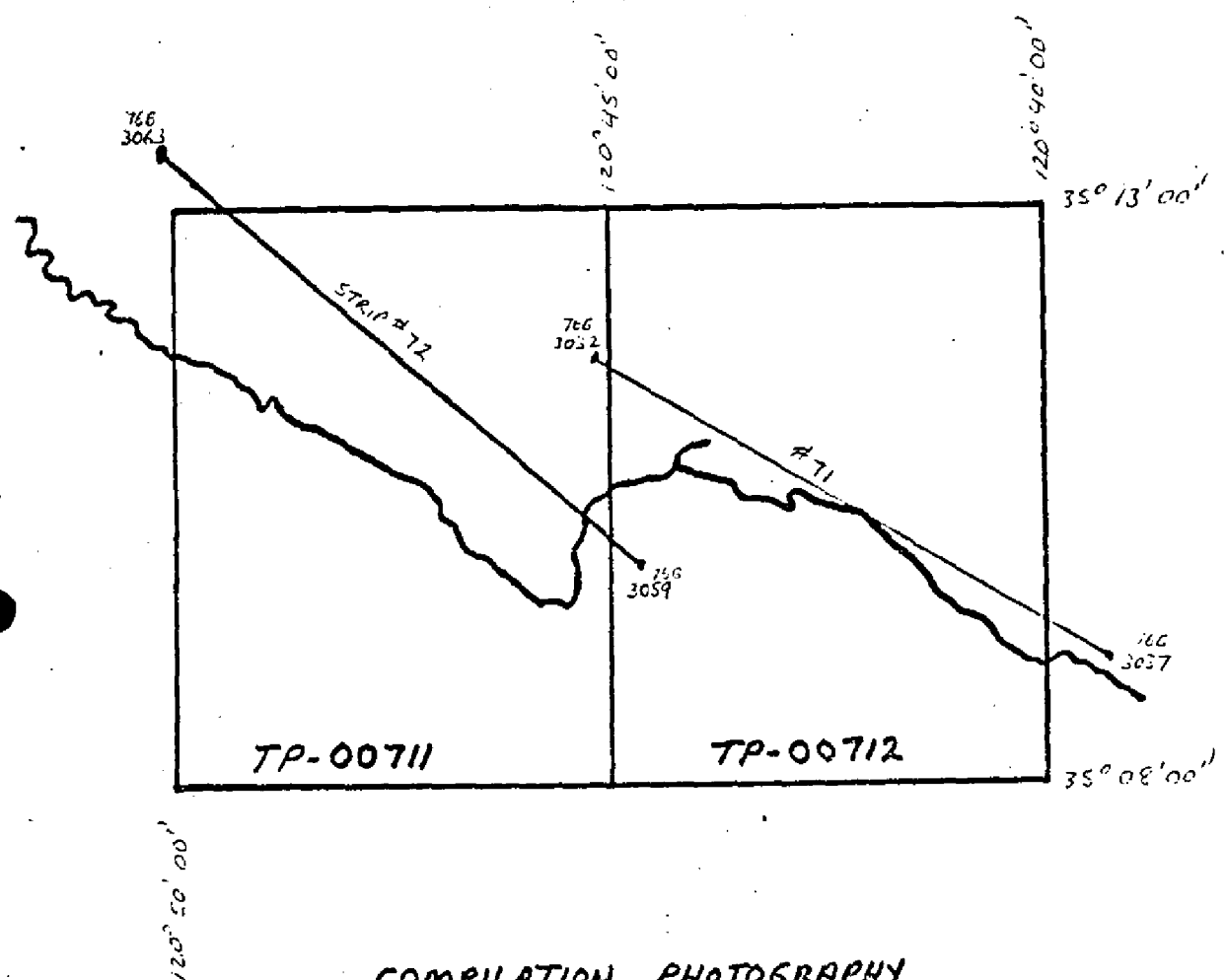


Chief, Aerotriangulation Section

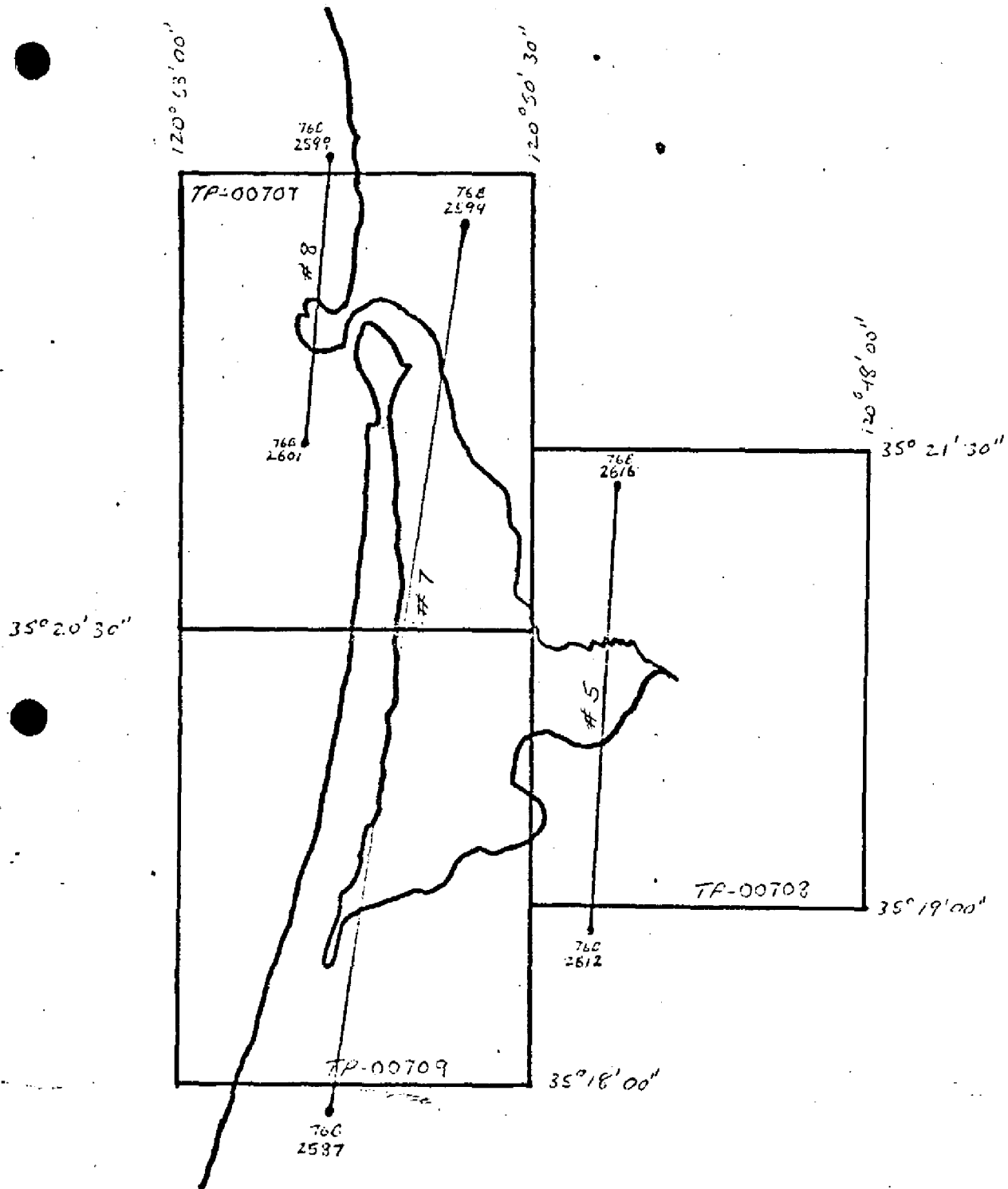


JOB CM-7604  
PT. CONCEPTION TO PT. ESTERO  
CALIFORNIA

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	-0.5	-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.	STATION NAME	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		ORIGINATING ACTIVITY		
					CM-7604	N.A. 1927	COORDINATES IN FEET	GEOGRAPHIC POSITION	REMARKS
					STATE	ZONE	$\phi$ LATITUDE $\lambda$ LONGITUDE		
	SAN LUIS OBISPO EAST BASE, 1871		351203	82100	X=		$\phi$ 35°10'04.621"		
					Y=		$\lambda$ 120°41'36.565"		
	SAN LUIS OBISPO WEST BASE, 1871		351203	67	X=		$\phi$ 35°10'26.816"		
					Y=		$\lambda$ 120°42'02.936"		
	UNION, 1933		351203	63	X=		$\phi$ 35°10'44.725"		
					Y=		$\lambda$ 120°44'36.966"		
	RAILROAD DOCK, 1933		351203	62	X=		$\phi$ 35°09'57.003"		
					Y=		$\lambda$ 120°44'57.859"		
	OIL PIER, 1933		351203	64	X=		$\phi$ 35°10'12.748"		
					Y=		$\lambda$ 120°44'23.208"		
	AVILA DOCK, 1933		351203		X=		$\phi$ 35°10'27.434"		
					Y=		$\lambda$ 120°44'01.626"		
	AVILA ROCK, 1933		351203		X=		$\phi$ 35°10'13.303"		
					Y=		$\lambda$ 120°43'24.455"		
	VALLEY VIEW 2, 1933		351203	66	X=		$\phi$ 35°10'45.982"		
					Y=		$\lambda$ 120°42'43.512"		
	MALLAGH, 1871		351203	68	X=		$\phi$ 35°10'27.654"		
					Y=		$\lambda$ 120°41'31.509"		
	WHITE ROCK 2, 1933		351203		X=		$\phi$ 35°09'47.951"		
					Y=		$\lambda$ 120°42'31.378"		
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 J. Roderick				DATE 5/19/77	HAND PLOTTING CHECKED BY				DATE

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00712	JOB NO. CM-7604	GEODEIC DATUM N.A. 1927		ORIGINATING ACTIVITY Coastal Mapping Div., AMC		
		SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE	REMARKS
				X=	$\phi$ 34° 09' 12.329"	
			71	Y=	$\lambda$ 120° 40' 21.788"	
SOUTH POINT 2, 1933	351203			X=	$\phi$ 34° 09' 50.728"	
			72	Y=	$\lambda$ 120° 40' 14.432"	
PRICE, 1872	351203			X=	$\phi$ 34° 10' 39.259"	
				Y=	$\lambda$ 120° 43' 17.216"	
AVILA BLUFF SOUTH TANK, 1933	351203			X=	$\phi$ 34° 08' 54.444"	
				Y=	$\lambda$ 120° 40' 59.738"	
BIRD ROCK, 1933	351203			X=	$\phi$ 34° 10' 41.95"	
				Y=	$\lambda$ 120° 44' 44.54"	
BRIDGE, OUTER PILE IN RAILROAD BRIDGE, 1912	351203			X=	$\phi$ 34° 09' 33.052"	
				Y=	$\lambda$ 120° 40' 53.107"	
DOUBLE WATER TANK NORTH OF PISMO BEACH, 1933	351203			X=	$\phi$ 34° 10' 56.155"	
				Y=	$\lambda$ 120° 44' 31.916"	
HOUSE CHIMNEY BACK OF AVILA, 1933	351203			X=	$\phi$ 34° 10' 28.237"	
				Y=	$\lambda$ 120° 44' 01.251"	
HOUSE, OUTER GABLE OF HOUSE ON CO. WHARE, 1912	351203			X=	$\phi$ 34° 10' 23.548"	
				Y=	$\lambda$ 120° 43' 11.380"	
LONE ROCK, SOUTH OF AVILA BLUFF, 1933	351203			X=	$\phi$ 34° 09' 54.535"	
				Y=	$\lambda$ 120° 44' 57.226"	
POLE, FLAGPOLE ON END OF P.C.R.R. DOCK, 1912	351203			COMPUTATION CHECKED BY F. Margiotta		09/17/76
COMPUTED BY A. C. Rauck, Jr.			09/15/76	LISTING CHECKED BY F. Margiotta		09/16/76
LISTED BY A. C. Rauck, Jr.			09/15/76	HAND PLOTTING CHECKED BY		DATE
HAND PLOTTING BY J. Roderick			5/19/77			

SUPERSEDES NOAA FORM 76-41, 2-71 EDITION WHICH IS OBSOLETE.



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM		COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE		ORIGINATING ACTIVITY	REMARKS
				TP-00712	CM-7604		N.A. 1927	Coastal Mapping Div., AMC		
STACK, EAST STACK OF TWO AT UNION OIL REFINERY, 1912						X=	$\phi$ 35°10'44.26"			
						Y=	$\lambda$ 120°43'30.93"			
						X=	$\phi$			
						Y=	$\lambda$			
						X=	$\phi$			
						Y=	$\lambda$			
						X=	$\phi$			
						Y=	$\lambda$			
						X=	$\phi$			
						Y=	$\lambda$			
						X=	$\phi$			
						Y=	$\lambda$			
						X=	$\phi$			
						Y=	$\lambda$			
						X=	$\phi$			
						Y=	$\lambda$			
COMPUTED BY A. C. Rauck, Jr.										DATE 9/17/76
LISTED BY A. C. Rauck, Jr.										DATE 9/16/76
HAND PLOTTING BY J. Roderick										DATE

## 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 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 is described in Item #31. The color compilation photos have heavy surf. The MLLWL and MHWL were compiled graphically with control identified and located by the B-8 stereoplotter using the color bridging photography.

36 - OFFSHORE DETAILS

Offshore rocks and islets were delineated by the Wild B-8 stereoplotter and supplemented with the infrared ratio photographs. Dense beds of kelp are in this area.

37 - LANDMARKS AND AIDS

One landmark and no fixed aids to navigation are within the mapping limits of this manuscript. The landmark was verified on the compilation photography.

TP-00712

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 report.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey  
Quadrangles: Arroyo Grande, CA, scale 1:62,500, dated 1952; and Pismo Beach,  
CA, scale 1:24,000, dated 1965.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following NOS Survey 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,

*Joanne Röderick*  
Joanne Röderick  
Cartographer  
May 26, 1977

Approved,

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

April 27. 1984

19

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00712

Avila Beach (locality)

Bird Rock

County Wharf

Fossil Point

Lone Rock

Mallagh Landing

Pacific Ocean

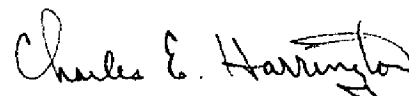
San Luis Obispo Bay

Shell Beach (locality)

South Point

White Rock

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

REVIEW REPORT TP-00712  
SHORELINE

61. GENERAL STATEMENT

See Summary included with this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following U.S. Geological Survey Quadrangles: Pismo Beach, CA, scale 1:24,000, dated 1965; and Arroyo Grande, CA, scale 1:62,500, dated 1952.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Not applicable.

65. COMPARISON WITH NAUTICAL CHARTS

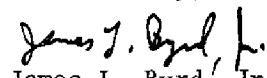
A comparison was made with the following NOS Charts: 18704, scale 1:20,000, 10th edition, dated July 22, 1978; 18703, scale 1:40,000, 18th edition, dated June 11, 1983; and 18700, scale 1:216,116, 14th edition, dated April 28, 1982.

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


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

NOAA FORM 76-40  
(8-74)

Replaces C&GS Form 567.

# **NONFLOATING AID 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)

REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div.	STATE California	LOCALITY Point Conception to Point Estero	DATE 10/26/84
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The following objects HAVE ☐ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

OPR PROJECT NO. \_\_\_\_\_

JOB NUMBER

SURVEY NUMBER

DATUM

N.A. 1927

CM-7604

TP-00712

## **METHOD AND DATE OF LOCATION** (See instructions on reverse side)

### **POSITION**

LATITUDE	LONGITUDE

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

CHARTING  
NAME

(House Chimney, Back of Avila, 1933)

56.155	31.916
1730.5	807.5

76B(C) 3034  
19 Mar. 1976

CHARTS  
AFFECTED

18704  
18703  
18700

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	C. Blood C. Blood		<input checked="" 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 L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75		<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>**FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b> <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>			

