

TP-00713

TP-00713

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-00713	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 PISMO BEACH	
1976 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. <u>00713</u>	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. <u>(1)</u>	
				<input type="checkbox"/> RESURVEY		MAP CLASS <u>III Final</u>	
				<input type="checkbox"/> REVISED		JOB <del>XXX</del> <u>CM-7604</u>	
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 1:20,000				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				H. G. McCarty		Apr. 1977	
COMPILATION CHECKED BY				G. A. Morris		Apr. 1977	
INSTRUMENT: Wild B-8				CONTOURS BY		None	
SCALE: 1:30,000				CHECKED BY		None	
4. MANUSCRIPT DELINEATION PLANIMETRY BY				R. R. Kravitz		May 1977	
CHECKED BY				J. Byrd		Oct. 1977	
METHOD: CONTOURS BY				None			
CHECKED BY				None			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				R. R. Kravitz		May 1977	
CHECKED BY				J. Byrd		Oct. 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				J. Byrd		Oct. 1977	
6. APPLICATION OF FIELD EDIT DATA BY				None			
CHECKED BY				None			
7. COMPILATION SECTION REVIEW CLASS III BY				C. Blood		Oct. 1984	
8. FINAL REVIEW CLASS III FINAL 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-00713  
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"/> PREDICTED TIDES				Pacific	
<input type="checkbox"/> REFERENCE STATION RECORDS				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				120th	
				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
76B(C) 3082-3085#	Mar.19,1976	14:48	1:60,000	2.8 ft. above MLLW	
76B(I) 4066-4071*	Mar.27,1976	08:42	1:30,000	0.20 ft. below MHW	
76B(I) 2955-2960**	Mar.15,1976	14:13	1:30,000	0.08 ft. below MLLW	
				Mean Tide Range=3.5	

REMARKS #Bridge and compilation photography. Predicted tides.  
MHW at subordinate station=4.4 ft. at Point Arguello, CA

## 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 HIGH-WATER LINE~~ MEAN LOWER LOW-WATER LINE:

*Lower*  
\*\*The mean 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	No Survey	TP-00714	TP-00712 1:10,000

REMARKS

TP-00713

# HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Mar. 1976
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	" "
	ESTABLISHED BY None	----
	PRE-MARKED OR IDENTIFIED BY L. Riggers	Mar. 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 None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE BY <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)3085	BROMELA, 1933		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division)

1-Form 152

TP-00713  
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 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

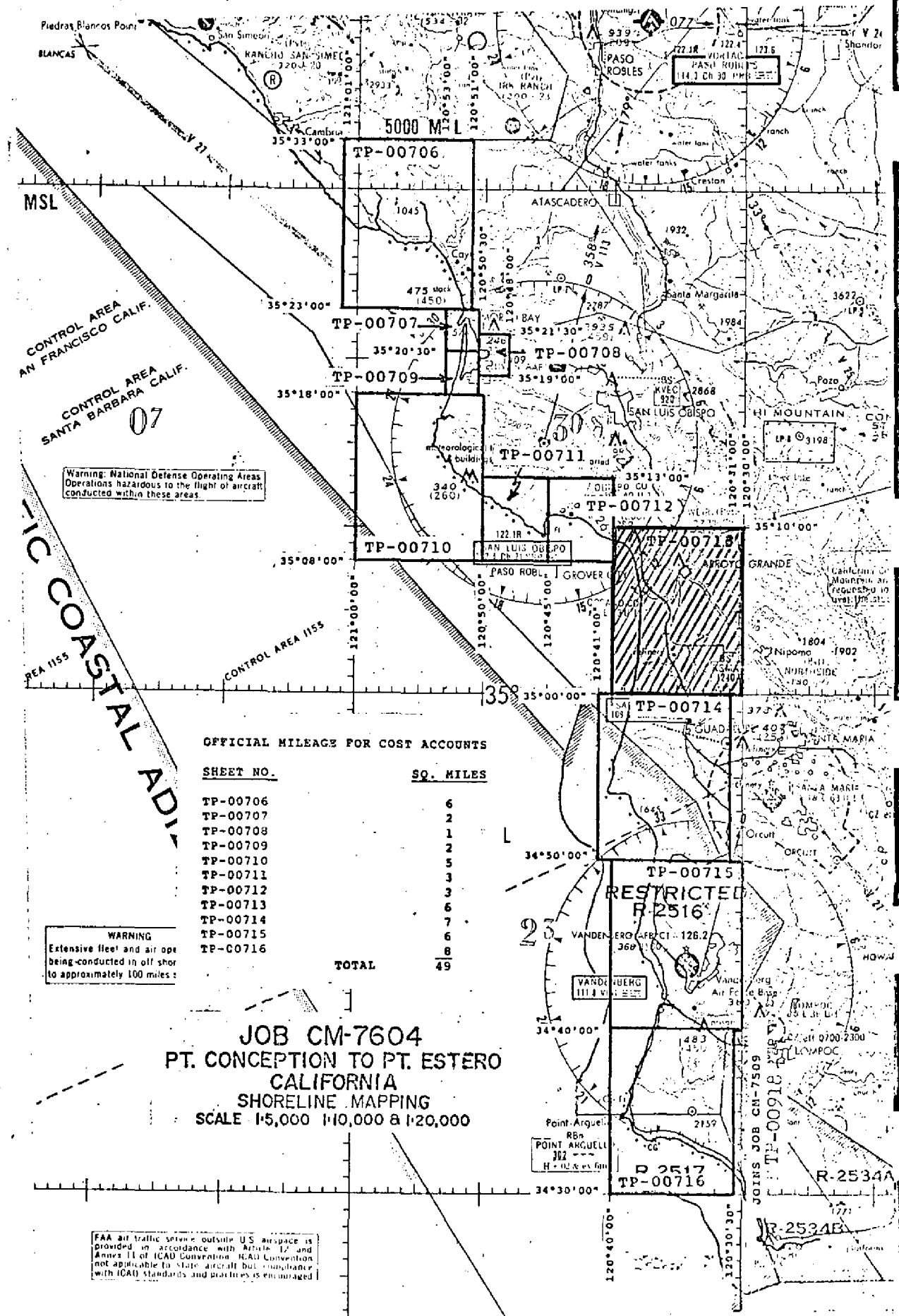
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.  
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.  
ACCOUNT FOR EXCEPTIONS:

Field edit mylar ozalids 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	



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00713

This 1:20,000 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 south to Latitude 35°00'.

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 1:60,000 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 May 1977. Compilation included the use of MHW and MLLW tide coordinated infrared photographs ratioed to manuscript scale. Refer to the 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

TP-00713

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.



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.

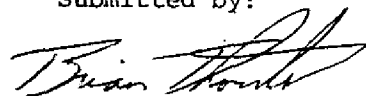
Supplemental Data

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

Photography

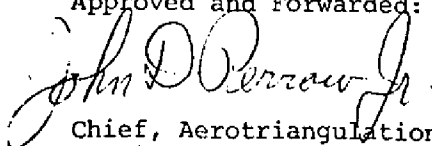
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by:

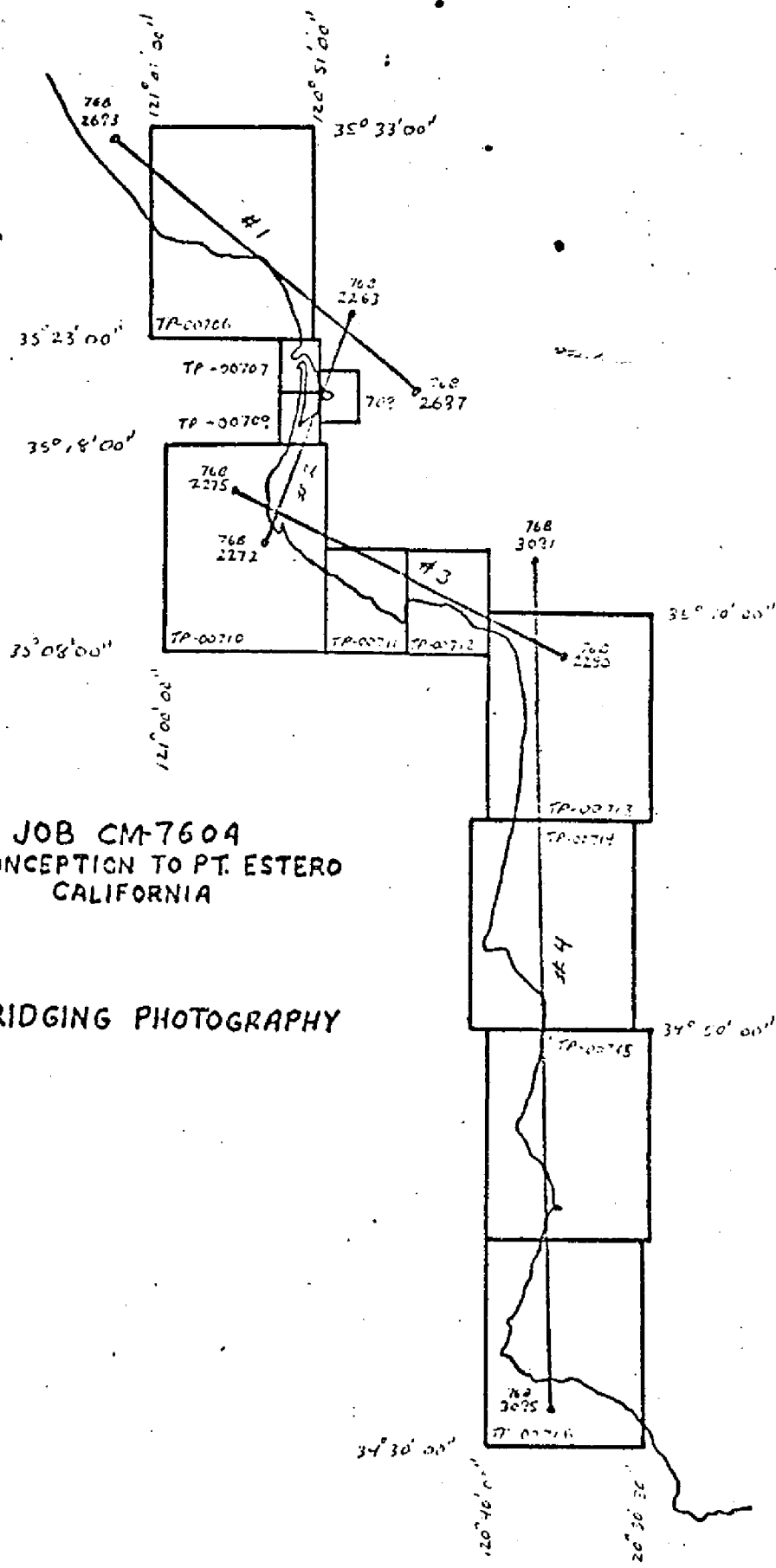


Brian F. Thornton

Approved and Forwarded:

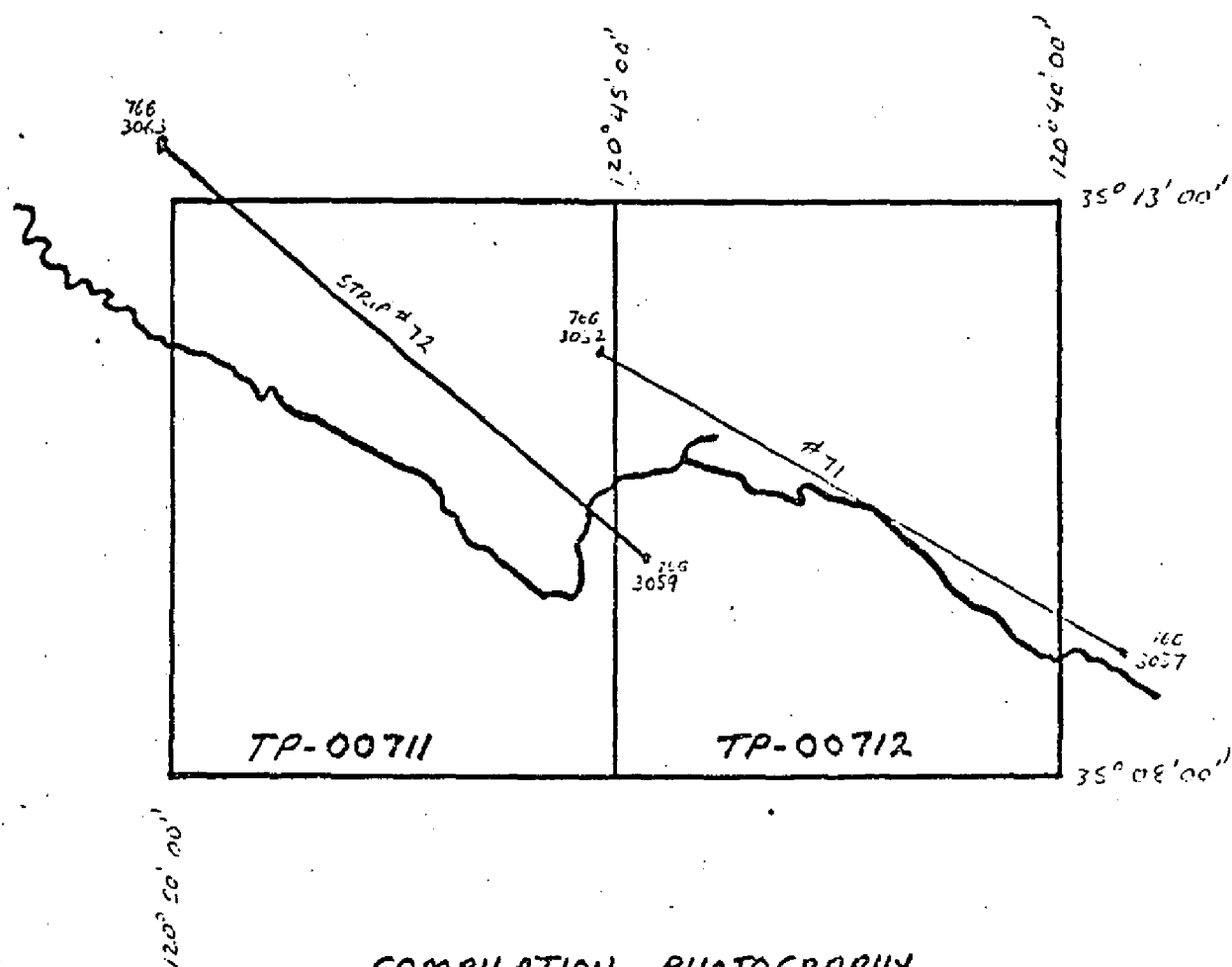


Chief, Aerotriangulation Section



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

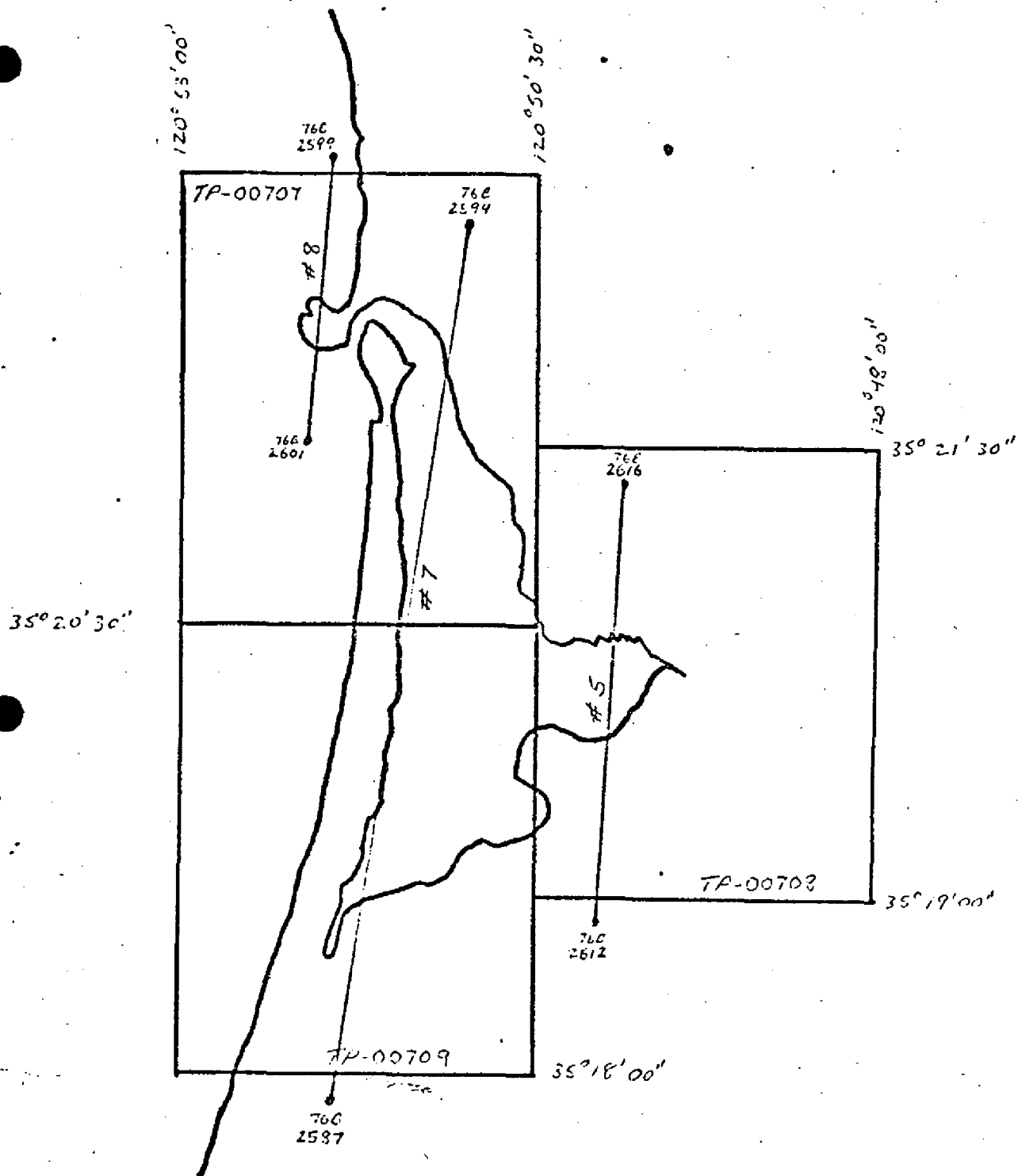
BRIDGING PHOTOGRAPHY



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.	STATION NAME	JOB NO.	GEODETTIC DATUM		ORIGINATING ACTIVITY		
			SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE	REMARKS
TP-00713		CM-7604			N.A. 1927	Coastal Mapping Div., AMC	
	BROMELA, 1933	351203	84100		X=	$\phi$ 35°02'16.543"	
					Y=	$\lambda$ 120°35'37.710"	
	PISMO DOCK, 1933	351203	74		X=	$\phi$ 35°08'15.609"	
					Y=	$\lambda$ 120°38'44.897"	
	PISMO, 1933	351203	75		X=	$\phi$ 35°08'34.227"	
					Y=	$\lambda$ 120°38'37.678"	
	QUINN 2, 1958	351203	76		X=	$\phi$ 35°07'35.250"	
					Y=	$\lambda$ 120°36'10.101"	
	GRANDA, 1933	351203	77		X=	$\phi$ 35°06'56.200"	
					Y=	$\lambda$ 120°37'51.259"	
	BLACK, 1933	351203	79		X=	$\phi$ 35°03'44.493"	
					Y=	$\lambda$ 120°36'14.216"	
	DUNE 3, 1961	351203	81		X=	$\phi$ 35°02'16.873"	
					Y=	$\lambda$ 120°36'53.439"	
	GUADALUPE 2, 1933	351203	82		X=	$\phi$ 35°00'06.968"	
					Y=	$\lambda$ 120°35'29.740"	
	OSO FLACO 2, 1933	351203	83		X=	$\phi$ 35°00'30.407"	
					Y=	$\lambda$ 120°37'45.147"	
	CLAM, 1933	351203			X=	$\phi$ 35°05'09.449"	
					Y=	$\lambda$ 120°37'17.744"	
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 9/17/76
HAND PLOTTING BY R. R. Kravitz			DATE 11/1/77		HAND PLOTTING CHECKED BY R. Minton		DATE 11/1/77

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS		
					STATE	ZONE	COORDINATES IN FEET	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE	FRONT	BACK	
TP-00713	CM-7604				N.A. 1927		Coastal Mapping Div., AMC				
CAMP HILL, WATER TANK POLE, 1933	351203				x=		φ 35 08 34.819		1073.0	776.0	
					y=		λ 120 38 13.136		332.5	1186.3	
PISMO BEACH, BUTLER HOTEL SIGN, LETTER B, 1933	"				x=		φ 35 08 24.519		755.6	1093.4	
					y=		λ 120 38 27.117		686.5	832.4	
PISMO BEACH, CENTER OF SIGN "PLUNGE", 1933	"				x=		φ 35 08 23.631		728.2	1120.8	
					y=		λ 120 38 32.675		827.2	691.7	
PISMO BEACH FLAGPOLE, 1933	"				x=		φ 35 08 15.908		490.2	1358.8	
					y=		λ 120 38 27.330		691.9	827.0	
WATER TANK, SOUTH OF PISMO BEACH, 1933	"				x=		φ 35 07 44.246		1363.5	485.5	
					y=		λ 120 37 11.003		278.6	1240.5	
					x=		φ				
					y=		λ				
					x=		φ				
					y=		λ				
					x=		φ				
					y=		λ				
					x=		φ				
					y=		λ				
					x=		φ				
					y=		λ				
COMPUTED BY	A. C. Rauck, Jr.				DATE	9/9/76	COMPUTATION CHECKED BY		DATE		
LISTED BY	A. C. Rauck, Jr.				DATE	9/2/76	LISTING CHECKED BY		F. Margiotta	DATE	9/17/76
HAND PLOTTING BY	R. R. Kravitz				DATE	11/1/77	HAND PLOTTING CHECKED BY		R. Minton	DATE	11/1/77



## 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 1:60,000 scale bridging/compilation color photographs. Tide coordinated MHW infrared photographs were used to graphically compile the MHWL. 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 instrument compilation of coastal 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 by 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. All detail is compiled as of the date of photography. The ratio infrared tide coordinated photographs for both MLLW and MHW were used incorporating graphic methods.

36 - OFFSHORE DETAILS

Offshore rocks were delineated by the Wild B-8 stereoplotter as described in Item #31. Some offshore rocks awash were delineated from the infrared tide coordinated ratio photographs by graphic methods since they were not visible on the color photographs due to rough water conditions.

37 - LANDMARKS AND AIDS

There are 3 charted landmarks and no navigational aids within the mapping limits of this manuscript. None were verified photogrammetrically.

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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 report.

46 - COMPARISON WITH EXISTING MAPS

The following U.S. Geological Survey Quadrangles were compared with the manuscript: Pismo Beach, CA, scale 1:24,000, dated 1965; and Arroyo Grande, CA, scale 1:62,500, dated 1952.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following NOS Chart: 18700, scale 1:216,116, dated July 3, 1976, 11th edition.

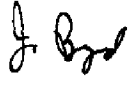
ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

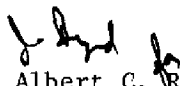
None.

Submitted by,



Robert R. Kravitz  
Cartographic Technician  
May 1977

Approved,



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

April 27, 1984

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

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

TP-00713

Arroyo Grande Creek

Big Twin Lake

Black Lake

Grover City

Mud Lake

Oceano

Oso Flaco Lake

Pacific Ocean

Pipeline Lake

Pismo Beach (locality)

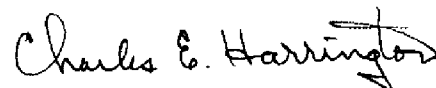
Small Twin Lake

Southern Pacific (RR)

White Lake

Willow Lake

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

REVIEW REPORT TP-00713  
SHORELINE

61. GENERAL STATEMENT

See Summary included with 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. 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 has been made with the following NOS Chart: 18700, scale 1:216,116, 14th edition, April 28, 1984.

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

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.*  
James L. Byrd, Jr.  
Final Reviewer

Approved for forwarding,

*Billy H. Barnes*  
Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,

*Robert H. Baker*  
Chief, Photogrammetric Section, Rockville

*Ronald K. Brewer*  
Chief, Photogrammetry Branch,  
Rockville

Replaces C&amp;GS Form 567.

### NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

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

### ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☐ ~~XX~~ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH
- (See reverse for responsible personnel)

<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED	REPORTING UNIT <i>(If field Party, Ship or Office)</i> Coastal Mapping Unit Norfolk, VA AMC	STATE California	LOCALITY Point Conception to Point Estero	DATE 10/84
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The following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

☐ PROTECTED AREA  
☐ PROTECTED FAUNA  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW CRP.  
☐ COAST PILOT BRANCH

(See reverse for responsible personnel!)

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM	METHOD AND DATE OF LOCATION (See instructions on reverse side)	CHARTS
	CM-7604	TP-00713	N.A. 1927		
			POSITION		

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

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	LATITUDE		LONGITUDE		OFFICE	FIELD	AFFECTED		
		°	'	"	°				'	"
TANK	(Water Tank, South of Pismo Beach, 1933)	35	07	44.246		11.003	76 B(6) 3083 3/19/76	18700		
				1362.5	120 37	278.6				

CHARTS  
AFFECTED

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	OFFICE ACTIVITY REPRESENTATIVE
ACTIVITIES	<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 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

\*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.

