

TP-00706

TP-00706

NOAA FORM 76-35 (6-80) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
THIS MAP EDITION WILL NOT BE FIELD EDITED	
Map No. TP-00706	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 ESTERO	
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> 19 76 TO 19 </div>	
REGISTERED IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.																											
DESCRIPTIVE REPORT - DATA RECORD		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">TYPE OF SURVEY</td> </tr> <tr> <td><input checked="" type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> </table>		TYPE OF SURVEY		<input checked="" type="checkbox"/> ORIGINAL		<input type="checkbox"/> RESURVEY		<input type="checkbox"/> REVISED																			
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<input type="checkbox"/> REVISED																													
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="2" style="text-align: center;">SURVEY TP. <u>00706</u></td> </tr> <tr> <td colspan="2">MAP EDITION NO. (1)</td> </tr> <tr> <td colspan="2">MAP CLASS <u>Class III (Final)</u></td> </tr> <tr> <td colspan="2">JOB <u>CM-7604</u></td> </tr> <tr> <td colspan="2" style="text-align: center;">LAST PRECEDING MAP EDITION</td> </tr> <tr> <td colspan="2">TYPE OF SURVEY</td> </tr> <tr> <td><input type="checkbox"/> ORIGINAL</td> <td></td> </tr> <tr> <td><input type="checkbox"/> RESURVEY</td> <td></td> </tr> <tr> <td><input type="checkbox"/> REVISED</td> <td></td> </tr> <tr> <td>JOB</td> <td>PH.</td> </tr> <tr> <td colspan="2">MAP CLASS</td> </tr> <tr> <td colspan="2">SURVEY DATES:</td> </tr> <tr> <td colspan="2">19__ TO 19__</td> </tr> </table>		SURVEY TP. <u>00706</u>		MAP EDITION NO. (1)		MAP CLASS <u>Class III (Final)</u>		JOB <u>CM-7604</u>		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__	
SURVEY TP. <u>00706</u>																													
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JOB	PH.																												
MAP CLASS																													
SURVEY DATES:																													
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		G. Morris	July 1977																										
COMPILATION CHECKED BY		J. Byrd	July 1977																										
INSTRUMENT: Wild B-8		CONTOURS BY	N.A.																										
SCALE: 1:30,000		CHECKED BY	N.A.																										
4. MANUSCRIPT DELINEATION PLANIMETRY BY		G. Morris	Sept 1977																										
METHOD: Smooth drafted		CHECKED BY	C. Blood																										
SCALE: 1:20,000		CONTOURS BY	N.A.																										
HYDRO SUPPORT DATA BY		CHECKED BY	N.A.																										
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		G. Morris	Sept 1977																										
6. APPLICATION OF FIELD EDIT DATA BY		C. Blood	Oct 1977																										
7. COMPILATION SECTION REVIEW CLASS III BY		N.A.																											
8. FINAL REVIEW CLASS III FINAL BY		N.A.																											
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		C. Blood	Aug 1984																										
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY		C. Blood/J. Byrd	Aug 1984																										
11. MAP REGISTERED - COASTAL SURVEY SECTION BY		J. Byrd	Jan. 1985																										
		J. Schad	May 1985																										
		E. DAUGHERTY	JUN 85																										

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 type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				MERIDIAN	
				Pacific	120th
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
76B(C) 2688-2692#	Mar 14, 1976	15:00	1:60,000	0.7 ft. below MLLW	
76B(I) 2505-2510*	Mar 14, 1976	09:33	1:30,000	0.04 ft. above MHW	
76B(I) 3141-3146**	Mar 21, 1976	09:02	1:30,000	0.11 ft. below MLLW	
76B(I) 3149-3152**	Mar 21, 1976	09:14	1:30,000	0.19 ft. below MLLW	
				Mean Tide Range MTR=3.5 ft.	

REMARKS #Bridge and compilation photos--Predicted tides
MHW at subordinate station=4.5 ft. Morro Beach, Estero 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~~ OR MEAN LOWER LOW-WATER LINE:

**The mean lower low water line was compiled graphically from the above listed 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	No survey	TP-00707 1:5,000	No survey

REMARKS

TP-00706

HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Feb-Mar '76
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Feb-Mar '76
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. Riggers	Feb-Mar '76
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 <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) 2691	Harbor, 1932		
76B(C) 2690	Cass, 1883		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

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)

2-Form 152 (CSI CARD)

2-Forms 277 (Tides Book)-cover entire project

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	April 1978 Dec. 1980	None
Final Review, Class III	Aug. 1984	Final Class III map No field edit performed	May 1985	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER (pages)	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		May 1985	Final Class III Landmarks and Aids to Navigation for Charting

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

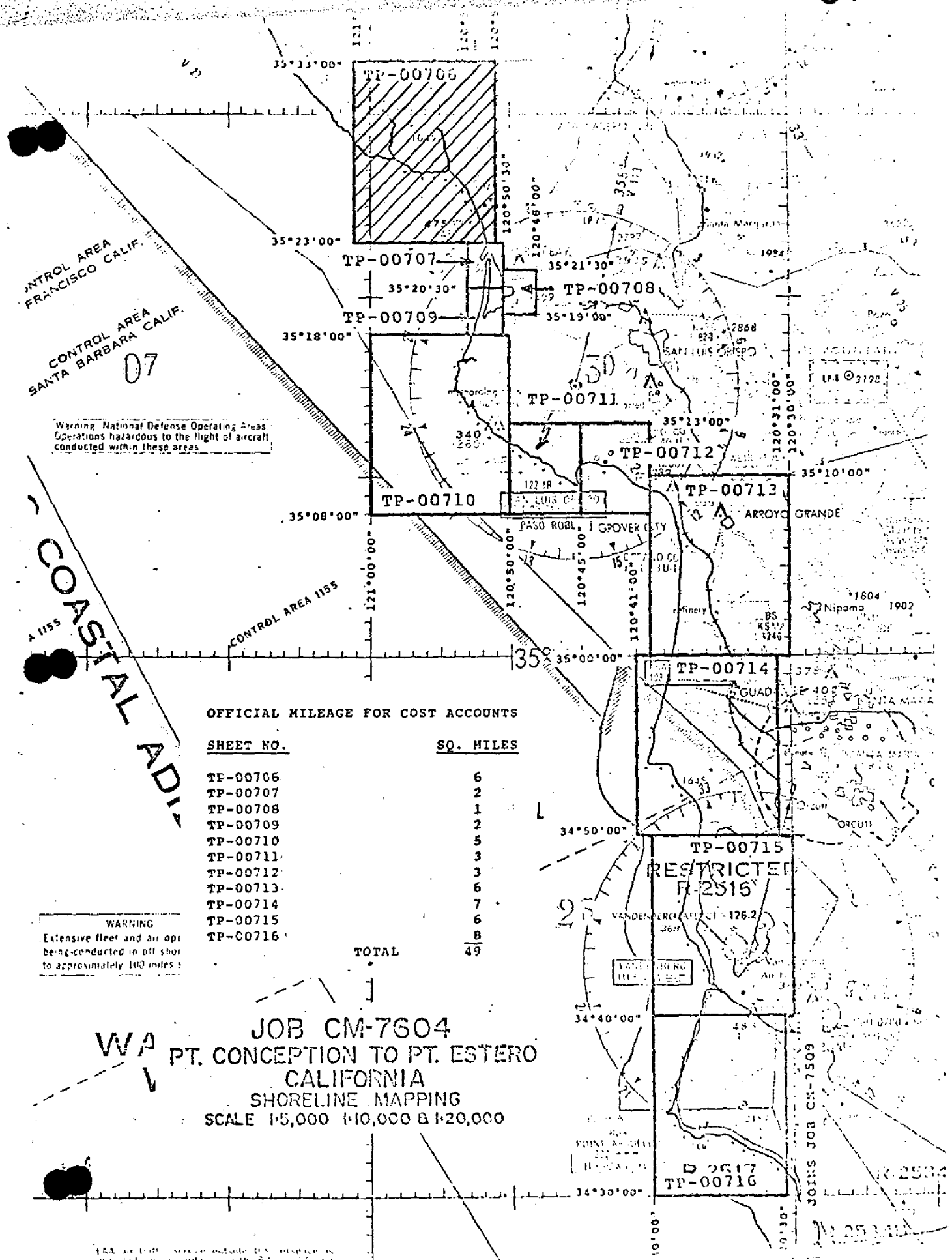
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

Field edit mylar ozalid 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-00706

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 coast shoreline from Point Estero south east to Morro Beach.

Field work prior to compilation consisted of the recovery and identification of the project and establishing and monitoring tide gages while the photography was taken for the 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 MLLW and MHW lines.

Analytic aerotriangulation was adequately provided by the Washington Science Center, August 1976. Aerotriangulation operations included ruling the base manuscripts, determining ratio values for photographs and locating visible non-floating navigation aids and landmarks.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Unit at the Atlantic Marine Center October 1977. Compilation included the use of MHW and MLLW tide coordinated infrared photographs ratioed to the 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 at the Atlantic Marine Center August 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-00706

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.

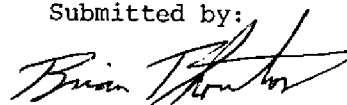
Supplemental Data

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

Photography

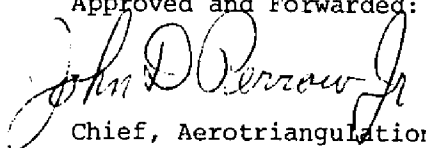
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by:

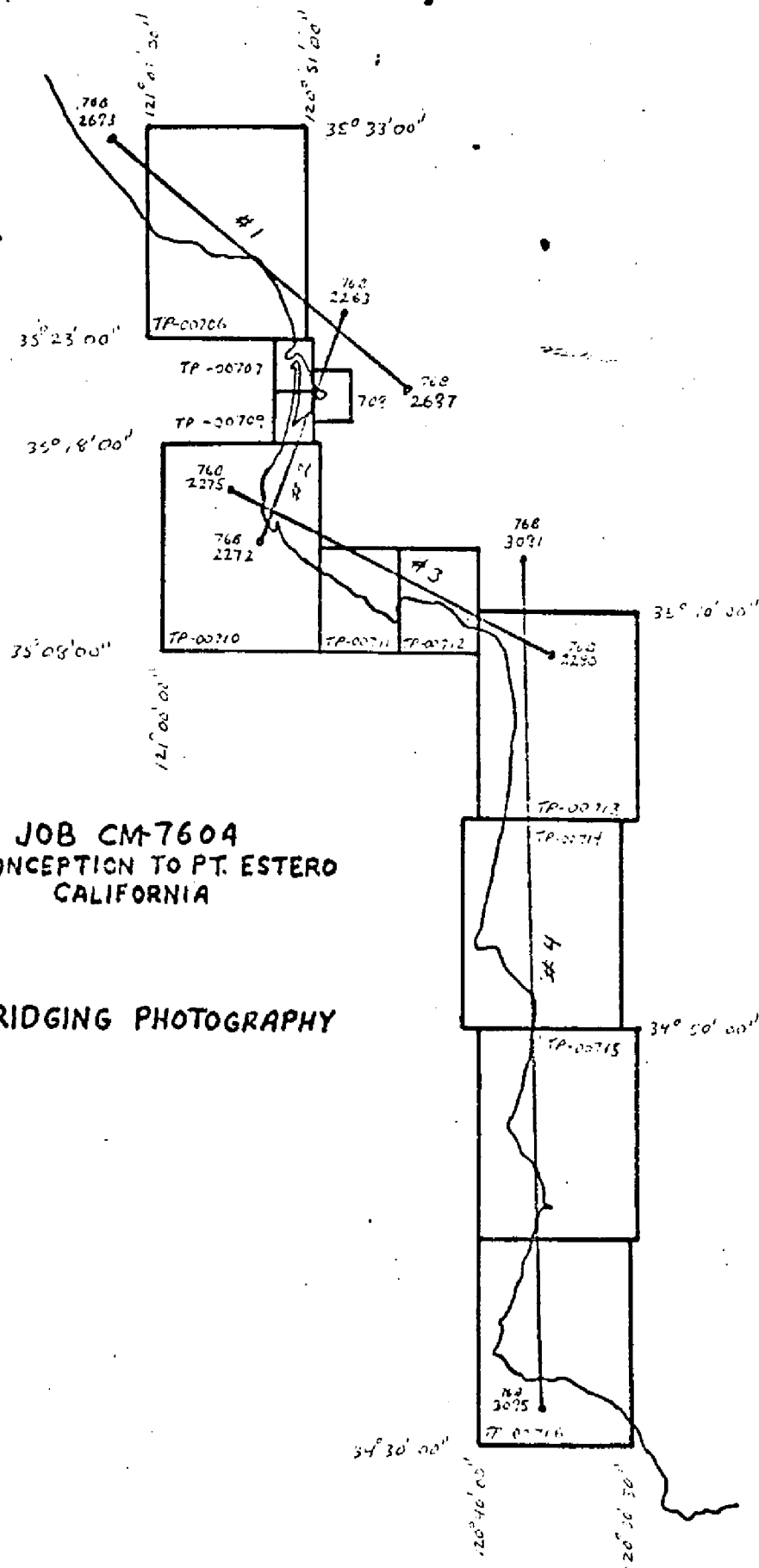


Brian F. Thornton

Approved and Forwarded:

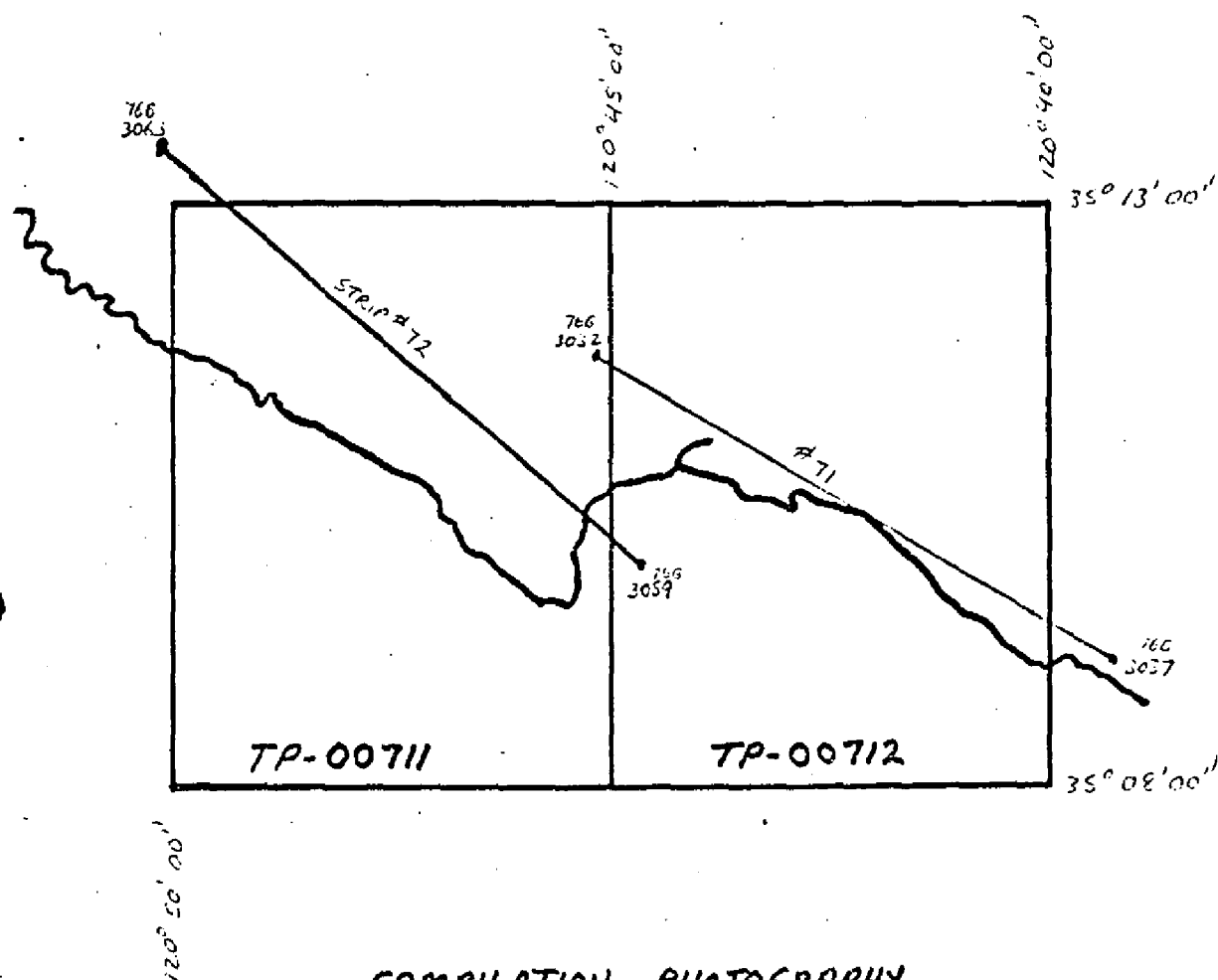


Chief, Aerotriangulation Section



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

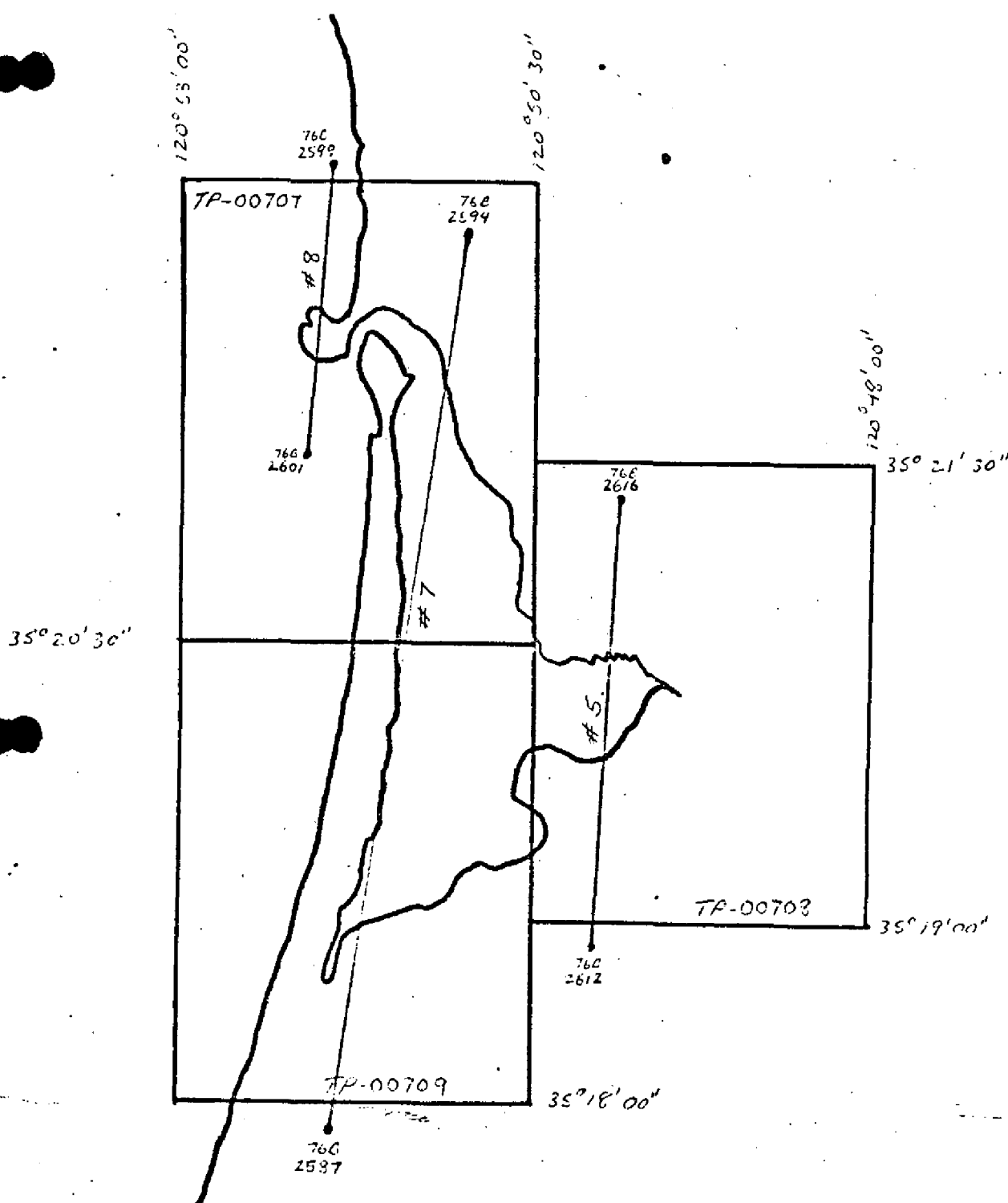
BRIDGING PHOTOGRAPHY



COMPILATION PHOTOGRAPHY

for

1:10,000 SHEETS



COMPILATION PHOTOGRAPHY
FOR
1:5,000 SHEETS

NOAA FORM 76-41 (6-75)										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
DESCRIPTIVE REPORT CONTROL RECORD										ORIGINATING ACTIVITY									
MAP NO.		JOB NO.		GEODETIC DATUM		COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS									
TP - 00706		CM - 7604		N.A. 1927		Coastal Mapping Div. A.M.C.		φ LATITUDE λ LONGITUDE		Front (Back)									
STATION NAME		SOURCE OF INFORMATION (Index)		AEROTRIANGULATION POINT NUMBER		STATE ZONE		φ LATITUDE λ LONGITUDE		Front (Back)									
VILLA 2, 1932	351212	110	X=	φ 35 28 03.439	λ 121 00 18.977					106.0	(1743.1)								
HARBOR, 1932	351203	11	Y=	φ 35 27 52.159						178.5	(1034.3)								
KNOLL, 1916	"	13	X=	φ 35 27 13.506						1607.4	(241.7)								
POINT 2, 1916	"	14	Y=	λ 120 58 55.619						1403.2	(109.6)								
DEADMAN'S ROCK, 1916	"	15	X=	φ 35 27 02.037						416.2	(1432.9)								
RED ROCK 2, 1916	"	16	Y=	λ 120 57 09.222						232.6	(1280.4)								
BLACK ROCK, 1933	"	17	X=	φ 35 26 53.109						1636.7	(212.4)								
FENCE, 1932	"	18	Y=	λ 120 56 58.432						1173.7	(39.4)								
CONCRETE TANK, NORTH- WEST OF CAYUCOS, 1916	"	19	X=	φ 35 27 02.037						62.8	(1786.3)								
BLUFF, 1916	"	20	Y=	λ 120 56 28.395						716.1	(797.0)								
			X=	φ 35 26 51.482						1586.6	(262.5)								
			Y=	λ 120 56 10.777						271.8	(1241.3)								
			X=	φ 35 26 39.374						1213.4	(635.7)								
			Y=	λ 120 55 23.572						594.5	(918.7)								
			X=	φ 35 27 24.550						756.6	(1092.5)								
			Y=	λ 120 55 05.604						141.3	(1371.7)								
			X=	φ 35 27 00.935						28.8	(1820.3)								
			Y=	λ 120 54 35.359						891.7	(621.4)								
			X=	φ 35 26 45.785						1411.0	(438.1)								
			Y=	λ 120 54 02.421						61.1	(1452.1)								
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		8/31/76		LISTING CHECKED BY		F. Margiotta		DATE	9/16/76							
HAND PLOTTING BY			DATE				HAND PLOTTING CHECKED BY				DATE								

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

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.		JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY	
TP - 00706		CM - 7604		N. A. 1927		Coastal Mapping Div. A.M.C.	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		Departures REMARKS Front (Back)	
CAYUCOS STORE WINDMILL AT TANK, 1916	351203		X= Y=	φ 35 26 58.50 λ 120 54 14.12		1802.9 (46.2) 356.1 (1157.0)	
CUYUCOS WEST GABLE OF WAREHOUSE, 1933	"		X= Y=	φ 35 26 56.457 λ 120 54 19.490		1739.9 (109.2) 491.5 (1021.6)	
ROCK AWASH, WEST OF CAYUCOS, 1933	"		X= Y=	φ 35 26 49.038 λ 120 54 43.357		1511.3 (337.8) 1093.5 (419.7)	
STANDARD OIL COMPANY, FARM FLAGSTAFF, 1933	"		X= Y=	φ 35 24 41.646 λ 120 52 18.269		1283.4 (565.7) 460.9 (1052.9)	
			X= Y=	φ λ			
WINDMILL, SURMOUNTED BY TANK, WEST OF CAYUCOS, 1916	"		X= Y=	φ 35 26 58.028 λ 120 54 46.420		1788.3 (60.8) 1170.7 (342.4)	
WOODEN WATER TANK, 1 MILE SOUTH OF CAYUCOS, 1933	"		X= Y=	φ 35 26 21.176 λ 120 53 16.122		652.6 (1196.5) 406.6 (1106.7)	
			X= Y=	φ λ			
			X= Y=	φ λ			
			X= Y=	φ λ			
			X= Y=	φ λ			
COMPUTED BY A. C. Rauck Jr.		DATE 9/10/76	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		DATE	HAND PLOTTING CHECKED BY			DATE	

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

DESCRIPTIVE REPORT CONTROL RECORD

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

MAP NO.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
					STATE	ZONE	ϕ LATITUDE	λ LONGITUDE	
TP - 00706	CM - 7601								Coastal Mapping Div. A.M.C.
									Departures
									Front (Back)
CASS, 1883	351203			21	X=		ϕ	35 26 55.129	1708.2 (110.9)
					Y=		λ	120 53 27.905	703.7 (809.1)
CROP, 1916	"			23	X=		ϕ	35 26 28.475	877.5 (971.6)
					Y=		λ	120 53 24.692	622.8 (890.5)
WHALE ROCK, 1933	"			24	X=		ϕ	35 26 06.094	187.8 (1661.3)
					Y=		λ	120 53 28.966	730.6 (782.8)
					X=		ϕ		
					Y=		λ		
STANDARD, 1932	"			28	X=		ϕ	35 24 28.136	876.3 (972.8)
					Y=		λ	120 52 08.634	217.9 (1296.0)
HALL, 1883	"			25	X=		ϕ	35 25 42.076	1296.7 (552.4)
					Y=		λ	120 52 18.231	459.9 (1053.6)
					X=		ϕ		
					Y=		λ		
					X=		ϕ		
					Y=		λ		
CAYUCOS CREAMERY STACK, 1916	"				X=		ϕ	35 26 57.63	1776.0 (73.1)
					Y=		λ	120 54 29.01	731.6 (781.5)
CAYUCOS SCHOOL CUPOLA, 1916	"				X=		ϕ	35 26 59.143	1822.7 (26.4)
					Y=		λ	120 54 02.607	65.7 (1147.4)
COMPUTED BY				DATE	COMPUTATION CHECKED BY				DATE 9/17/76
LISTED BY				DATE 8/31/76	LISTING CHECKED BY		F. Margiotta		DATE 9/16/76
HAND PLOTTING BY				DATE	HAND PLOTTING CHECKED BY		F. Margiotta		DATE

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

COMPILATION REPORT

TP-00706

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 Mean High Water Line. 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.

35 - SHORELINE AND ALONGSHORE DETAILS

The shoreline and alongshore detail compilation is described in Item #31. All detail is compiled as of date of photography.

36 - OFFSHORE DETAILS

Offshore kelp was delineated by the Wild B-8 stereoplotter as described in Item #31. Some offshore rocks awash were delineated from 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 1 charted navigational aid within the mapping limits of this manuscript. Among these only 1 landmark and no aids were verified photogrammetrically. Appropriate information was prepared on the forms 76-40 and submitted with this map.

TP-00706

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: Cayucos, CA, scale 1:24,000, dated 1965; Cayucos, CA, scale 1:62,500, dated 1951; and Morro Bay North, CA, scale 1:24,000, dated 1965.

47 - COMPARISON WITH NAUTICAL CHARTS

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

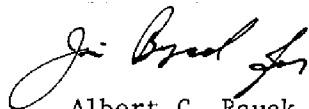
None.

Submitted by,



G. Morris
Cartographic Technician
September 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-00706

Black Rock

Cayucos

Cayucos Creek

Cayucos Point

China Harbor

Estero Bay

Estero Wharf (cultural)

Little Cayucos Creek

Old Creek

Pacific Ocean

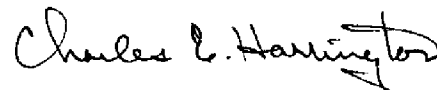
Point Estero

Toro Creek

Whale Rock

Whale Rock Reservoir

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT TP-00706
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: Cayucos, CA, 1:24,000 scale, dated 1965; Cayucos, CA, 1:62,500 scale, dated 1951; and Morro Bay North, CA, 1:24,000 scale, dated 1965.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Not applicable.

65. COMPARISON WITH NAUTICAL CHARTS

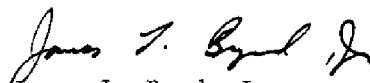
A comparison was made with the following NOS Charts: 18703, scale 1:40,000, 18th edition, dated June 11, 1983; and 18700, scale 1:216,116, 14th edition, dated April 28, 1984.

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

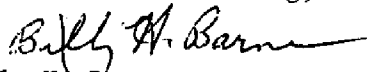
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

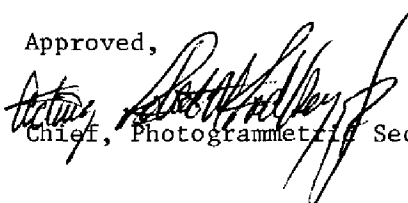
Submitted by,


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

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 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.)	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS 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	FIELD (Cont'd) 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. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED 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	III. TRIANGULATION STATION RECOVERED 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 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75
**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.	
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

