

TP-00716

TP-00716

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-00716	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 ARGUELLO	
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	
DESCRIPTIVE REPORT - DATA RECORD		SURVEY TP. <u>00716</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>III (Final)</u> JOB <u>CM-7604</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division, Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR		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__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation June 10, 1976 Compilation August 20, 1976		Pre-marking January 12, 1976 Tide Observations January 23, 1976 (Supplement I)	
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 <u>California</u> ZONE <u>5</u> STATE _____ ZONE _____	
5. SCALE 1:20,000			
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	Feb. 1977
INSTRUMENT: <u>Wild B-8</u>		J. Byrd	Feb. 1977
SCALE: <u>1:30,000</u>		N.A.	
		N.A.	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		J. Roderick	Mar. 1977
METHOD: <u>Smooth drafted</u>		F. Margiotta	Mar. 1977
SCALE: <u>1:20,000</u>		N.A.	
		N.A.	
HYDRO SUPPORT DATA BY		J. Roderick	Mar. 1977
		F. Margiotta	Mar. 1977
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. Margiotta	Mar. 1977
6. APPLICATION OF FIELD EDIT DATA BY		None	
		None	
7. COMPILATION SECTION REVIEW <u>Class III</u> BY		F. Margiotta	Mar. 1977
8. FINAL REVIEW <u>Class III Final</u> BY		W. McLemore/J. Byrd	Sep. 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-00716
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild R.C.-10"B" ("B"=152.74mm) Wild R.C.-8"E" ("E"=152.71mm)		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR X (P) PANCHROMATIC (I) INFRARED X	TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES # <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY			ZONE Pacific	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
			MERIDIAN 120th	

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
76B(C) 3093-3095#	Mar.19,1976	14:40	1:60,000	2.8 ft. above MLLW
## 76B(I) 3002-3004*	Mar.18,1976	11:35	1:30,000	0.20 ft. below MHW
## 76B(I) 2973-2976*	Mar.18,1976	11:06	1:30,000	0.25 ft. below MHW
76B(I) 3445-3447**	Mar.23,1976	11:35	1:30,000	0.14 ft. below MLLW
76B(I) 2924-2926**	Mar.15,1976	13:50	1:30,000	0.21 ft. above MLLW
75E(I) 1984-1986*	Oct.4, 1975	10:25	1:30,000	0.05 ft. above MHW
76B(I) 3433-3434**	Mar.23,1976	11:16	1:30,000	0.11 ft. above MLLW
##Photographs stamped March 15, 1976 in error were actually taken March 18, 1976.				Mean Tide Range=3.6 ft. at Avila Beach

REMARKS #Bridge and compilation photography based on predicted tides.
 *Tide coordinated infrared photography at MHW.
 **Tide coordinated infrared photography at MLLW.

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.

Photographs 75E(I) 1984-1986 are from adjoining project CM-7509.

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.

Photographs 76B(I) 3433-3434 are from adjoining project CM-7509.

4. CONTEMPORARY HYDROGRAPHIC SURVEYS (List only those surveys that are sources for photogrammetric survey information.)

SURVEY NUMBER	DATE(S)	SURVEY COPY USED	SURVEY NUMBER	DATE(S)	SURVEY COPY USED

5. FINAL JUNCTIONS

NORTH	EAST	SOUTH	WEST
TP-00715	TP-00918 CM-7509	No survey	No survey

REMARKS

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
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Feb. 1976
	ESTABLISHED BY None	
	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 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
Premarked2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76B(C) 3095	LADRONES, 1933 (Paneled direct)		

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 ☒ NONE7. SUPPLEMENTAL MAPS AND PLANS
None

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

1-Form 152 (CSI Card)

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

TP-00716
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete	Mar. 1977	Class III manuscript	April 1978 Dec. 1980	None
Final Review, Class III	Sept. 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
2		May 1985	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

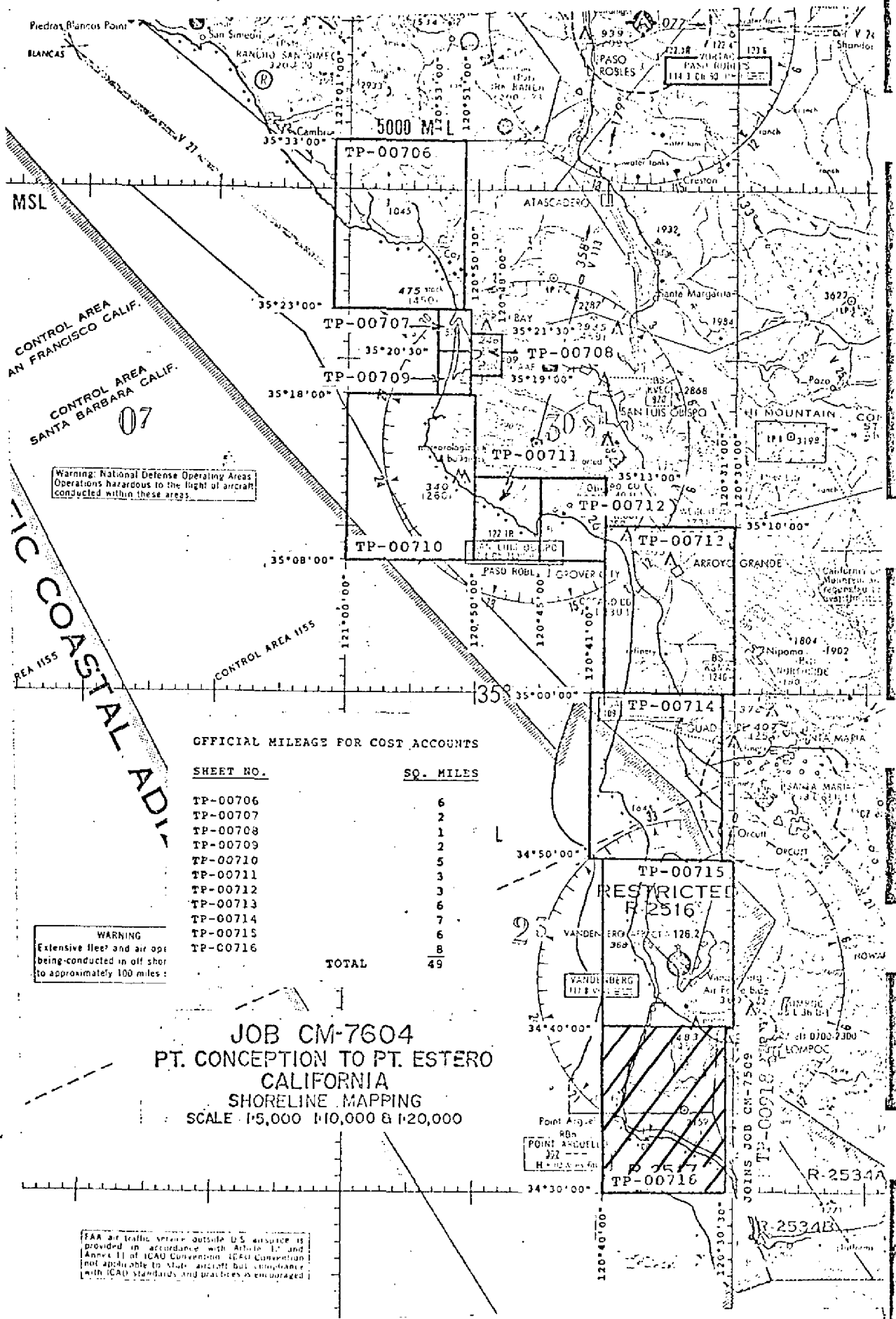
1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

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

OFFICIAL MILEAGE FOR COST ACCOUNTS

<u>SHEET NO.</u>	<u>SQ. MILES</u>
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
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

FAR air traffic service outside U.S. airspace is provided in accordance with Article I, and Annex I 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-00716

This 1:20,000 scale final Class III shoreline map is one of eleven maps that comprise project CM-7604, Point Conception to Point Estero, California. The project consists of six 1:20,000 scale maps (TP-00706, TP-00710, TP-00713 thru TP-00716), two 1:10,000 scale maps (TP-00711 and TP-00712), and three 1:5,000 scale maps (TP-00707 thru TP-00709).

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

This final Class III map portrays a portion of shoreline along the California coast from Latitude 34°30.0' to Latitude 34°40.0'. This map defines the southern limit of the project as it ends just north of Point Conception.

Field work prior to compilation consisted of the recovery and identification (premarking) of the horizontal control necessary for aerotriangulation. In addition, ground support was provided to assist in obtaining MHW and MLLW tide coordinated photography. This activity was completed in March 1976.

Photo coverage for the project was adequately provided by natural color and tide coordinated infrared photography. The 1:60,000 scale bridging/compilation color photographs were taken March 1976 with the RC-10 "B" camera. Tide coordinated black and white infrared MHW photographs were taken in October 1975 with the RC-8 "E" camera and in March 1976 with the RC-10 "E" camera. The October 1975 MHW photographs (75 E(I) 1984 - 1986) were taken for adjoining project CM-7509. Tide coordinated black and white infrared MLLW photographs were taken in March 1976 with the RC-10 "B" camera. Photographs 76 B(I) 3483 - 3434 were taken for adjoining project CM-7509. The tide coordinated infrared photography was taken at 1:30,000 scale and ratioed to map scale for graphic delineation of both the MHW and MLLW lines. Mean high water infrared photographs 76 B(I) 2973 - 2976 and 76 B(I) 3002 - 3004 were stamped March 15, 1976 in error. The Photographic Flight Report (Form 76-15) covering these photos is dated March 18, 1976. The Tides Book (Form 277) does not contain any recordings for March 15 that correspond with the times shown on Form 76-15. The photographs were flown March 18, 1976 which corresponds with the entries on both Form 76-15 and Form 277.

Analytic aerotriangulation was adequately provided by the Washington Science Center in August 1976. Aerotriangulation activity also included ruling the base manuscripts and providing ratio photographs for compilation.

Compilation, based upon photo interpretation, was provided by the Coastal Mapping Section at the Atlantic Marine Center in March 1977. Class III data was forwarded to the Pacific Marine Center in April 1978 for proposed field edit.

Field edit was not accomplished for this map. This activity was canceled and the project returned to the Atlantic Marine Center for final review.

Final review was performed at the Atlantic Marine Center in September 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 map. The original base manuscript and related data were forwarded to the Washington Science Center for final registration.

FIELD INSPECTION

TP-00716

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.

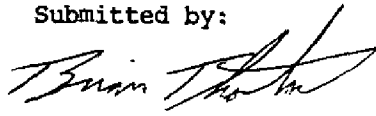
Supplemental Data

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

Photography

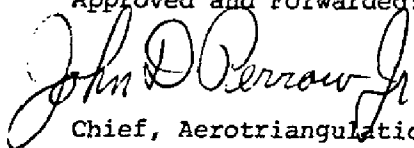
The coverage, overlap, and quality of the photography was adequate for the job.

Submitted by:

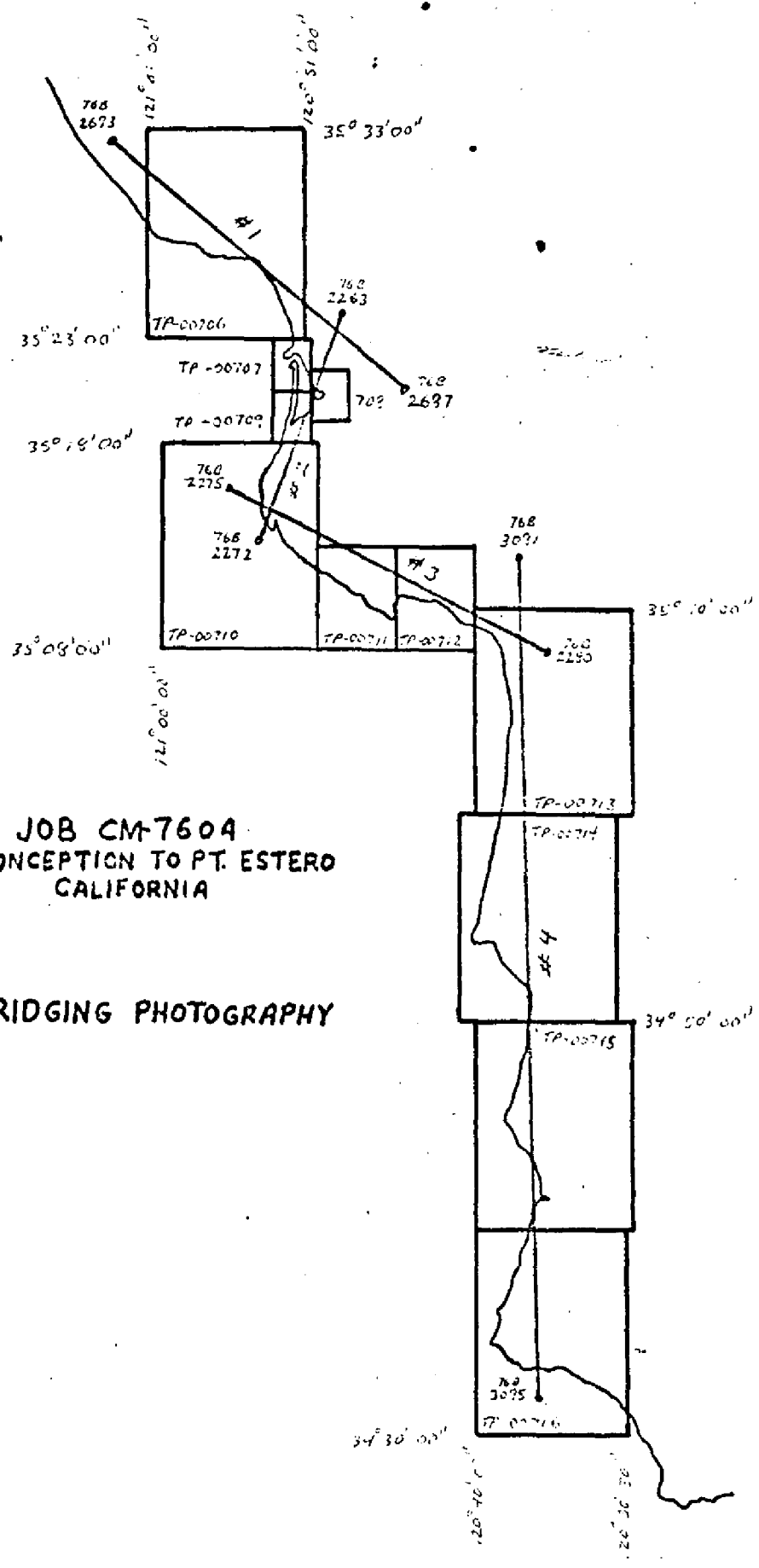


Brian F. Thornton

Approved and Forwarded:

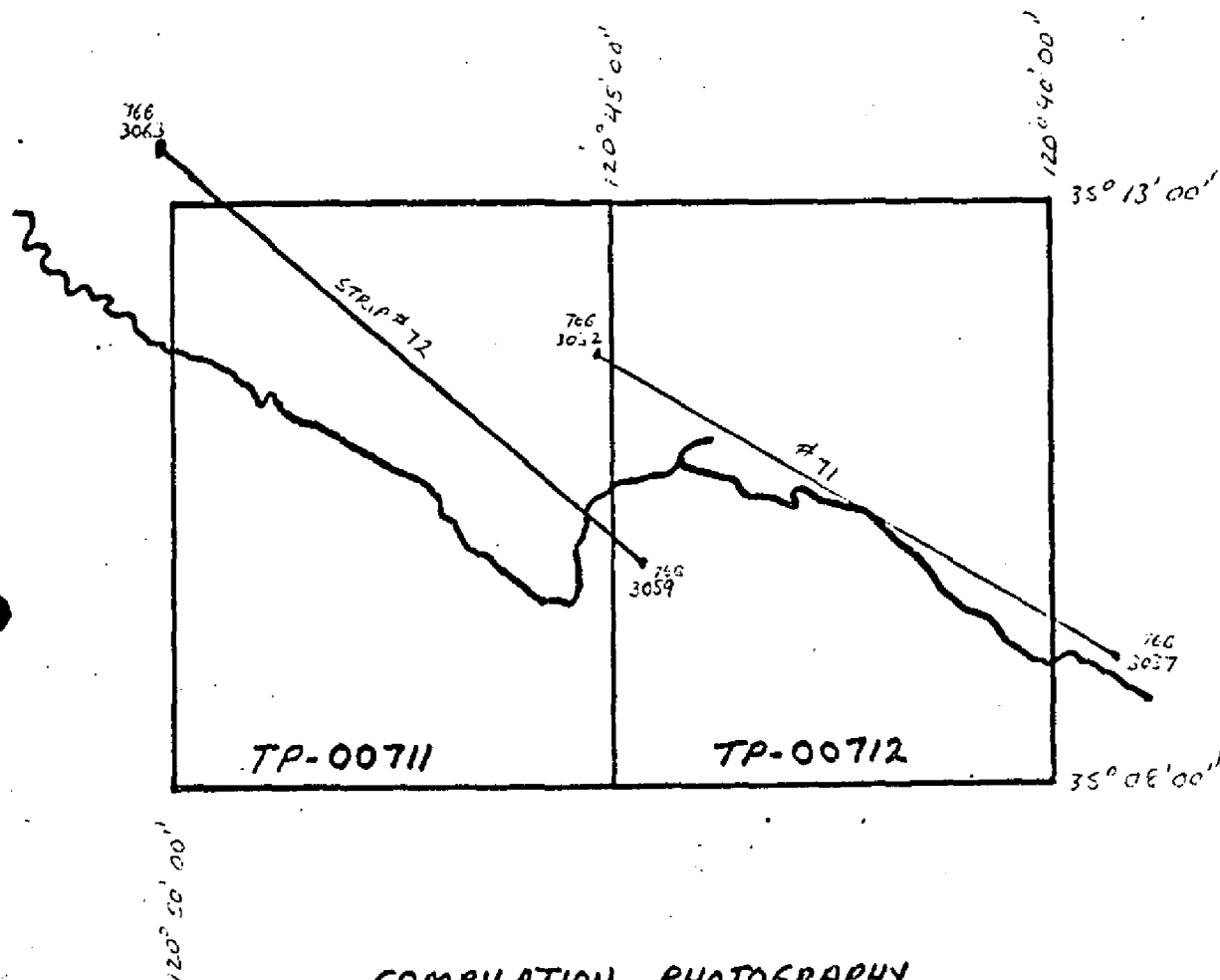


Chief, Aerotriangulation Section



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

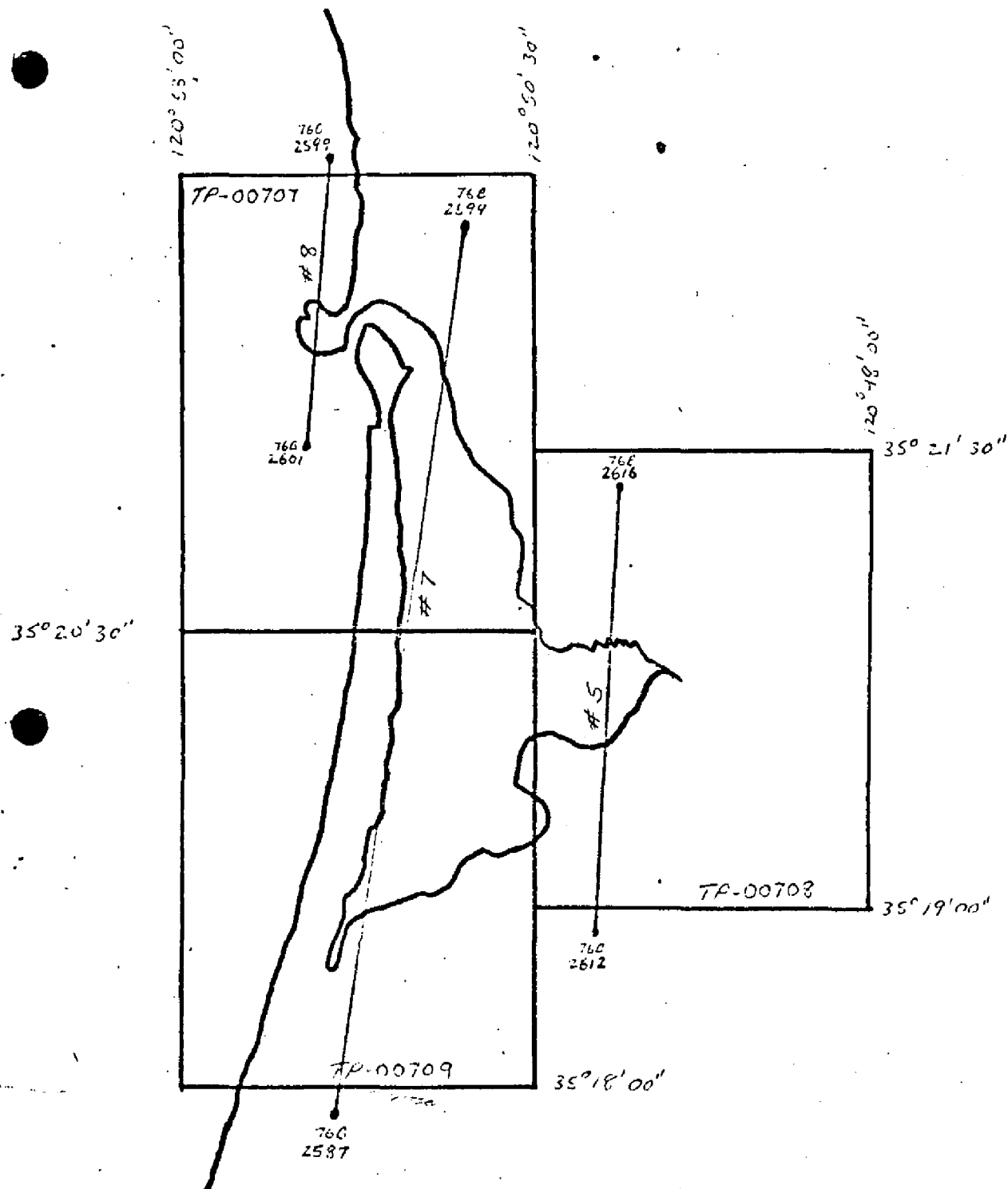
BRIDGING PHOTOGRAPHY



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.	JOB NO.	STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	GEODETIC DATUM		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	REMARKS
					N.A. 1927 COORDINATES IN FEET STATE ZONE	ϕ LATITUDE λ LONGITUDE				
TP-00716	CM-7604								Coastal Mapping Div. AMC	
LADRONES, 1933	Q 341204 Sta 1018			116	X=	ϕ 34° 33' 27.424"				
					Y=	λ 120° 34' 57.303"				
ARGUELLO, 1875	Q 341204 Sta 1004			117	X=	ϕ 34° 34' 58.026"				
					Y=	λ 120° 33' 37.639"				
FLINT 2, 1933	Q 341204 Sta 1015			--	X=	ϕ 34° 32' 35.186"				
					Y=	λ 120° 33' 17.782"				
SUDDEN RANCH, RED BARN WEST APEX, 1933	Q 341204 Sta 1075			120	X=	ϕ 34° 32' 15.257"				
					Y=	λ 120° 31' 55.758"				
BLUFF, 1874	Q 341204 Sta 1007			121	X=	ϕ 34° 31' 54.170"				
					Y=	λ 120° 31' 13.569"				
WESER, 1933	Q 341204 Sta 1053			108	X=	ϕ 34° 39' 16.659"				
					Y=	λ 120° 35' 39.943"				
BEAR VALLEY 2, 1933	Q 341204 Sta 1006			109	X=	ϕ 34° 39' 16.827"				
					Y=	λ 120° 36' 43.964"				
POWELL 2, 1933	Q 341204 Sta 1032			110	X=	ϕ 34° 37' 19.976"				
					Y=	λ 120° 36' 06.702"				
PROMONTORY, 1874	Q 341204 Sta 1034			111	X=	ϕ 34° 36' 15.507"				
					Y=	λ 120° 38' 26.523"				
ALVADO, 1933	Q 341204 Sta 1002			112	X=	ϕ 34° 35' 33.700"				
					Y=	λ 120° 36' 57.428"				
COMPUTED BY A. C. Rauck, Jr.				DATE 9/9/76	COMPUTATION CHECKED BY F. Margiotta				DATE 9/20/76	
LISTED BY A. C. Rauck, Jr.				DATE 9/8/76	LISTING CHECKED BY F. Margiotta				DATE 9/17/76	
HAND PLOTTING BY J. RODRICK				DATE 3/2/77	HAND PLOTTING CHECKED BY L. NELGIER				DATE 3/2/77	

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	STATION NAME	JOB NO.	GEOGRAPHIC DATUM		AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS
			SOURCE OF INFORMATION (Index)	STATE		ZONE	ϕ LATITUDE	λ LONGITUDE		
TP-00716		CM-7604								
	POINT ARGUELLO LIGHT, 1969	Q 341204 Sta 1069			113	X=		ϕ 34° 34' 36.91006"		
	POINT ARGUELLO LORAN TOWER, 1955	Q 341204 Sta 1071			109	Y=		λ 120° 38' 51.29254"		
	RUSTAD, 1874	Q 341204 Sta 1038			114	X=		ϕ 34° 34' 46.042"		
	POINT ARGUELLO, 1874	Q 341204 Sta 1028			115	Y=		λ 120° 37' 33.698"		
	POINT ARGUELLO RADIO TOWER, 1955	Q 341204 Sta 1072			--	X=		ϕ 34° 33' 17.775"		
	POINT ARGUELLO FOGHORN, 1969	Q 341204 Sta 1069			--	Y=		λ 120° 36' 53.896"		
	OFFSHORE ROCK (DESTROYER ROCK), 1933	Q 341204 Sta 1067			--	X=		ϕ 34° 34' 38.580"		
	LOOKOUT SITE, 1937	Q 341204 Sta 1066			--	Y=		λ 120° 38' 51.682"		
	PROSPECT, 1874	Q 341204 Sta 1077			--	X=		ϕ 34° 34' 36.87190"		
	VINA, 1933	Q 341204 Sta 1035			--	Y=		λ 120° 38' 57.25898"		
	COMPUTED BY A. C. Rauck, Jr.				DATE 9/9/76			ϕ 34° 36' 10.81"		
	LISTED BY A.C.C. Rauck, Jr.				DATE 9/9/76			λ 120° 38' 40.42"		
	HAND PLOTTING BY J. Roderick				DATE 3/2/77			ϕ 34° 33' 16.480"		
								λ 120° 37' 20.233"		
								ϕ 34° 34' 13.401"		
								λ 120° 31' 54.275"		
								ϕ 34° 34' 17.427"		
								λ 120° 36' 22.288"		
										DATE 9/20/76
										DATE 9/17/76
										DATE 3/2/77

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

COMPILATION REPORT

TP-00716

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The 1:60,000 scale color photographs were set on the Wild B-8 stereoplotter to delineate the Wild B-8 stereoplotter to delineate the interior detail and alongshore features. Points common to the 1:30,000 infrared ratio photographs were selected and positioned to allow for the graphic compilation of the mean high and mean lower low water lines.

All photographs used to compile this map were adequate and are listed on NOAA Form 76-36B.

32 - CONTROL

Horizontal control was adequate. Refer to the Photogrammetric Plot Report dated August 1976.

33 - SUPPLEMENTAL DATA

A comparison was made with Hydro Survey 5505, 5741, dated 1934; H.S. 5509, dated 1933; T.S. 4851, 4865, dated 1933; H.S. 5508, dated 1933; and T.S. 4864 for the purpose of calling attention of the hydrographer items to be investigated.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated on the Wild B-8 stereoplotter and by office interpretation of the photographs.

35 - SHORELINE AND ALONGSHORE DETAILS

Alongshore details were delineated from the Wild B-8 stereoplotter and by office interpretation of the photographs.

The mean high water and mean lower low water lines were delineated graphically from the infrared ratio photographs.

36 - OFFSHORE DETAILS

The offshore Kelp limits were graphically delineated from the mean lower low water infrared ratios.

37 - LANDMARKS AND AIDS

There are 4 charted landmarks and 4 charted navigational aids within the mapping limits of this manuscript. Among these, 2 landmarks and 2 aids were verified photogrammetrically. Appropriate information was prepared on the 76-40 forms and submitted with this map.

TP-00716

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item #32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangles: Surf, CA, scale 1:24,000, dated 1959; Point Arquello, CA, scale 1:24,000, dated 1959; and Tranquillon Mountain, CA, scale 1:24,000, dated 1959.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following NOS Charts: 18721, 5th edition, dated July 10, 1976, scale 1:100,000; 18700, 11th edition, dated July 3, 1976, scale 1:216,116; and 18720, 18th edition, dated September 6, 1975, scale 1:232,188.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,



Joanne Roderick
Cartographer
March 1977

Approved,



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

April 27, 1984

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00716

Arguello

Arlight

Bear Creek

Destroyer Rock

Honda

Pacific Ocean

Point Arguello

Point Pedernales

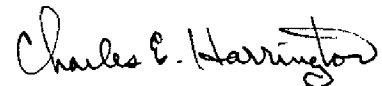
Rocky Point

Southern Pacific (RR)

Sudden

Sudden Flats

Approved by:

Charles E. Harrington
Chief Geographer
Nautical Charting Division

REVIEW REPORT TP-00716
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 1:24,000 scale U.S.G.S. Quadrangles: Surf, CA, dated 1959; Point Arquello, CA, dated 1959; and Tranquillon Mountain, CA, dated 1959.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

Not applicable.

65. COMPARISON WITH NAUTICAL CHARTS

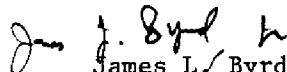
A comparison was made with the following NOS Charts: 18721, 1:100,000 scale, 7th edition, dated January 30, 1982; 18700, 1:216,116 scale, 14th edition, dated April 28, 1984; and 18720, 1:232,188 scale, 25th edition, dated April 7, 1984.

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

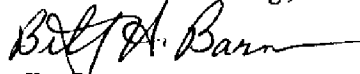
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Submitted by,



James L. Byrd
Final Reviewer

Approved for forwarding,


Billy H. Barnes
Chief, Photogrammetric Section, AMC

Approved,


Chief, Photogrammetric Section, Rockville


Chief, Photogrammetry Branch,
Rockville

Replaces C&GS Form 567.

NONFLOATING AIDS 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)

DATE
3/3/77LOCALITY
Point Concepcion to
Point EsteroSTATE
CaliforniaREPORTING UNIT
(Field Party, Ship or Office)
Coastal Mapping Div.
AMC, Norfolk, VAThe following objects HAVE ☐ HAVE NOT ☒ been inspected from seaward to determine their value as landmarks.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

N.A. 1927

POSITION

DESCRIPTION

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

LONGITUDE

D.P. Meters

//

/

D.P. Meters

LATITUDE

D.M. Meters

//

/

D.M. Meters

FIELD

OFFICE

CHARTS
AFFECTED

LIGHT

(Point Arguello Light, 1969)

34 34

36.911

120 38

51.293

LORAN
TOWER

(Point Arguello Loran Tower, 1955)

34 34

46.042

120 38

34.944

HORN

(Point Arguello Loran Tower, 1955)

34 34

1418.7

890.6

not
visibleRADIO
BEACON

(Point Arguello Loran Tower, 1955)

34 34

not
identifiablenot
visiblenot
visible

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

18700

18720

18721

Dropped points scaled by: Date:

Dropped points checked by: Date:

New positions plotted by: Date:

New positions checked by: Date:

Triangulation positions plotted by: ACR Date: 9/9/76 Checked: FPM

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	
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 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	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.	

NOAA FORM 76-40
(8-74)

Replaces C&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
- ☒ 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.
AMC, Norfolk, VA

STATE
California

LOCALITY
Point Conception to
Point Estero

DATE
3/3/77

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

OPR PROJECT NO. 411

JOB NUMBER

CM-7604

SURVEY NUMBER

TP-00716

DATUM

N.A. 1927

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

POSITION

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

DESCRIPTION

DATE

LATITUDE

LONGITUDE

OFFICE

FIELD

CHARTS
AFFECTED

ROCK

OUTCROP

(Promontory, 1874)

34 36

15.507

120 38

26.523

76B (C) 3094

3/19/76

18700

TANK

(Sudden Ranch, Red Barn, West
Apex, 1933)

34 32

15.257

120 81

55.758

76B (C) 3095

3/19/76

18700

ESPADA
BLUFF

Beyond limits
of B-8
photos

18720

18721

Dropped points scaled by:
Dropped points checked by:
New positions plotted by:
New positions checked by:

Date:
Date:
Date:

Triangulation positions plotted by: ACR Date: 9/9/76

Checked by: JPM

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	
POSITIONS DETERMINED AND/OR VERIFIED	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	
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 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	II. 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.	

