TP 00920

TP 00920

NOAA FORM 76-35
(3-76)

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.	*Edition No.*
TP-00920	1

Job No.
CM-7509

Map Classification
CLASS III (FINAL)

Type of Survey
SHORELINE

LOCALITY

State
CALIFORNIA

General Locality
PORT HUENEME TO POINT CONCEPTION

Locality
TAJIGUAS

1975 TO 19

REGISTRY IN ARCHIVES

DATE

*U. S. GOVERNMENT PRINTING OFFICE:1976-669-248

NOAA FORM 76-36A (3-72) — U. S. DEPARTMENT OF COMMERCE, NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: [x] ORIGINAL [ ] RESURVEY [ ] REVISED

SURVEY TP- 00920

MAP EDITION NO. (1)

MAP CLASS III(FINAL)

JOB CC-CM-7509

PHOTOGRAMMETRIC OFFICE: Coastal Mapping Unit, Norfolk, VA

OFFICER-IN-CHARGE: Jeffrey G. Carlen, CDR

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: [ ] ORIGINAL [ ] RESURVEY [ ] REVISED

JOB PH- _____

MAP CLASS _____

SURVEY DATES: 19__ TO 19__

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD	
Aerotriangulation	June 9, 1976	Premarking	August 11, 1975
Compilation	June 8, 1976	Premarking-Supp. I	January 7, 1976
Amendment I	July 21, 1976		
Amendment II	Oct. 29, 1976		
Review and Registration Memo	July 10, 1980		
Review and Registration Memo	Oct. 24, 1983		

II. DATUMS

1. HORIZONTAL: [x] 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: [x] MEAN HIGH-WATER [ ] MEAN LOW-WATER [x] MEAN LOWER LOW-WATER [ ] MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Lambert Conformal Conic

4. GRID(S): STATE: California; ZONE: 5

5. SCALE: 1:20,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: Analytic	BY	S. Solbeck	June 1976
	LANDMARKS AND AIDS BY	None	
2. CONTROL AND BRIDGE POINTS METHOD: Cordamat	PLOTTED BY	H. Jones	July 1976
	CHECKED BY	H. Jones	July 1976
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: Wild B-8 SCALE: 1:20,000	PLANIMETRY BY	C. Blood	Dec. 1976
	CHECKED BY	A. C. Rauck, Jr.	Dec. 1976
	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
4. MANUSCRIPT DELINEATION METHOD: Smooth drafted and graphic SCALE: 1:20,000	PLANIMETRY BY	C. Blood	Jan. 1977
	CHECKED BY	L. Neterer, Jr.	Feb. 1977
	CONTOURS BY	N.A.	
	CHECKED BY	N.A.	
	HYDRO SUPPORT DATA BY	C. Blood	Jan. 1977
	CHECKED BY	L. Neterer, Jr.	Feb. 1977
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. Neterer, Jr.	Feb. 1977
6. APPLICATION OF FIELD EDIT DATA	BY	None	
	CHECKED BY	None	
7. COMPILATION SECTION REVIEW	BY	L. Neterer, Jr.	Feb. 1977
8. FINAL REVIEW CLASS III	BY	J. Hancock	Dec. 1983
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY	J. Hancock	Dec. 1983
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	G. Fromm	Jan. 1984
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Romagna	May 1984

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

NOAA FORM 76-36D
(3-72)

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

TP-00920

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.	Jan. 1977	Class III manuscript Field edit canceled.	July 1977	July 1977
Final Review, Class III	Dec. 1983	Final Class III map, No field edit performed	Jan. 1984	Jan. 1984

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGES	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		July 1980	Landmark for charts (CLASS III position)
1		Jan. 1984	Landmark to be deleted. (Final Class III)

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. ~~XXX~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: March 1984

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

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH- _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY ☐ REVISED ☐ RESURVEY
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL

NOAA FORM 76-36D

☆U.S. Government Printing Office: 1975 – 665-661/1108, Region No. 6

NOAA FORM 76-36B
(3-72)

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

TP-00920

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "B"=152.74mm, "Z"=153.14mm
Wild RC-10 "B" and "Z", RC-8 "E" "E"=152.71mm

TYPES OF PHOTOGRAPHY LEGEND
(C) COLOR
(P) PANCHROMATIC
(I) INFRARED

TIME REFERENCE
ZONE: Pacific
[X] STANDARD
MERIDIAN: 120th
[ ] DAYLIGHT

TIDE STAGE REFERENCE
[X] PREDICTED TIDES #
[X] REFERENCE STATION RECORDS *, **
[X] TIDE CONTROLLED PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
75Z(C) 7833-7839#	Oct.7,1975	10:32	1:30,000	6.4 ft. above M.L.L.W.
75E(I) 2007-2010*	Oct.7,1975	12:38	1:30,000	±0.2 ft. of M.H.W.
76B(I) 2645-2648**	Mar.14,1976	12:56	1:30,000	±0.2 ft. of M.L.L.W.
76B(I) 2668-2669**	Mar14,1976	13:10	1:30,000	±0.2 ft. of M.L.L.W.
75E(I) 2045-2046*	Oct.8,1975	13:08	1:30,000	±0.2 ft. of M.H.W.
				Mean Range 4.6 ft.

REMARKS #Bridging and compilation photography, based on predicted tides.
*Tide coordinated infrared hydro support photography, at M.H.W.
**Tide coordinated infrared hydro support photography, at M.L.L.W.

2. SOURCE OF MEAN HIGH-WATER LINE:

*The M.H.W. line was compiled graphically from the tide coordinated infrared ratio photographs.

M.H.W. PHOTOS	RATIO VALUE
2007 - 2010	1.464
2045 - 2046	1.452

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

**The M.L.L.W. line was compiled graphically from the tide coordinated infraredratio photographs.

M.L.L.W. PHOTOS	RATIO VALUE
2645 - 2648	1.507
2668 - 2669	1.502

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-00921	No Survey	TP-00919

REMARKS

NOAA FORM 76-36B
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092

NOAA FORM 76-36C
(3-72)

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

TP-00920

HISTORY OF FIELD OPERATIONS

I. [X] FIELD INSPECTION OPERATION (Premarking) [ ] FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R. Melby	Sept. 1975 March 1976
2. HORIZONTAL CONTROL	RECOVERED BY	R. Melby	1975, 1976
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	R. Melby and L. Riggers	1975, 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 [ ] COMPLETE [ ] SPECIFIC NAMES ONLY [X] NO INVESTIGATION	BY	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.	

II. SOURCE DATA

1. HORIZONTAL CONTROL ~~XXXXXXXX~~ Premarked

2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
76B(C) 2437	HONDA, 1932 (Direct, 1976)		
75Z(C) 7834	ORTEGA 2, 1933 (Direct, 1975)		
75Z(C) 7838	HONDA, 1932 (Direct, 1975)		

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 [X] NONE

6. BOUNDARY AND LIMITS: [ ] REPORT [X] NONE

7. SUPPLEMENTAL MAPS AND PLANS

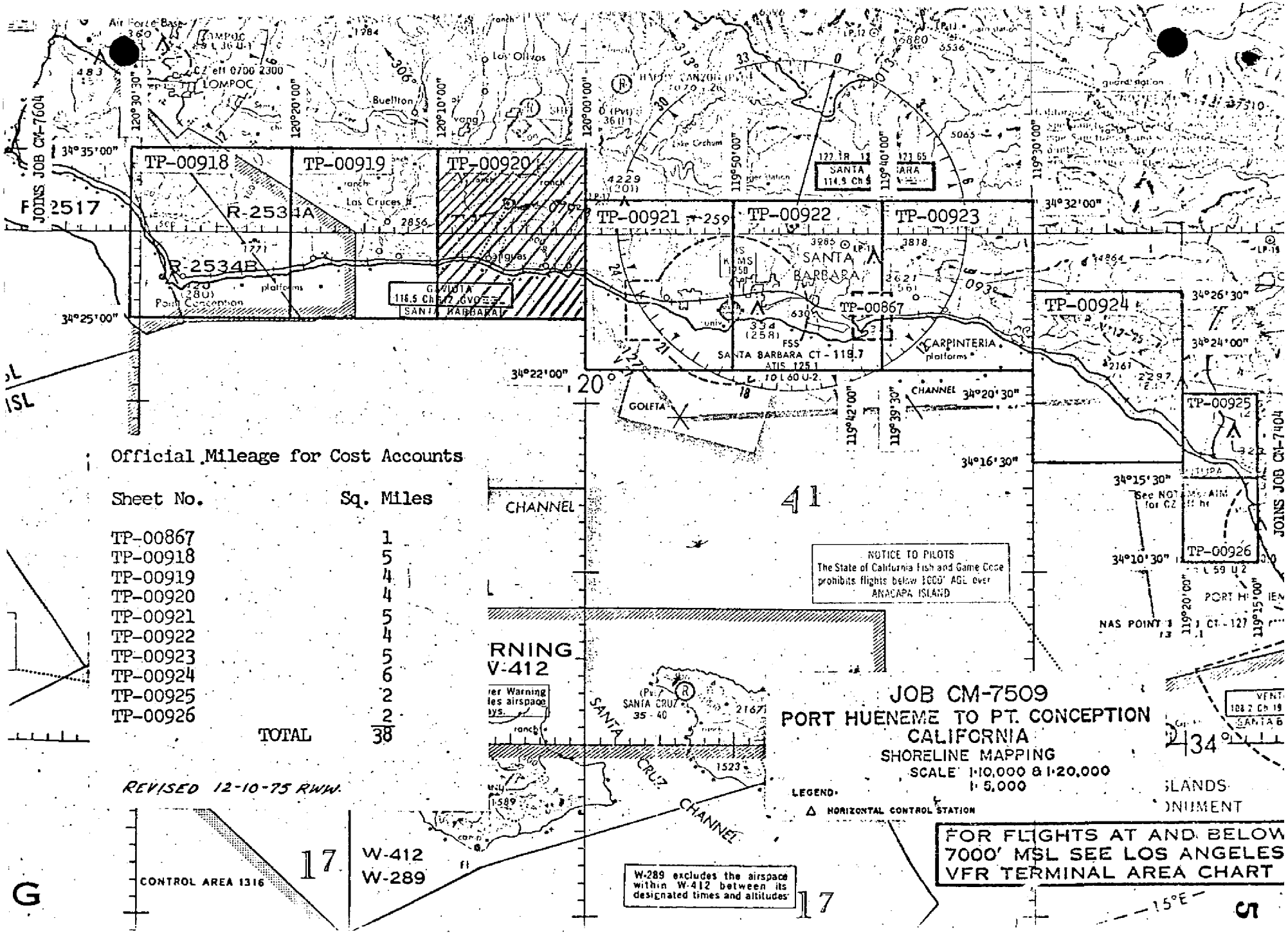
None

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

2 Forms 76-53, 1 Form 152 , 2 C&GS Forms 277 (tide level books) for project.

NOAA FORM 76-36C
(3-72)

*U.S. GOVERNMENT PRINTING OFFICE:1977-765-092



Official Mileage for Cost Accounts

Sheet No.	Sq. Miles
TP-00867	1
TP-00918	5
TP-00919	4
TP-00920	4
TP-00921	5
TP-00922	4
TP-00923	5
TP-00924	6
TP-00925	2
TP-00926	2
TOTAL	38

REVISED 12-10-75 RWW

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00920

This 1:20,000 scale final Class III shoreline map is one of ten maps that comprise project CM-7509, Port Hueneme to Point Conception, California. The project consists of seven 1:20,000 scale maps (TP-00918 thru TP-00924), two 1:10,000 scale maps (TP-00925 and TP-00926), and one 1:5,000 scale inset map (TP-00867).

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 longitude 120°00.0' to longitude 120°10.0'.

Field work prior to compilation was accomplished in October 1975 and March 1976. This involved the establishment of horizontal control by premarking methods in order to meet aerotriangulation requirements. In addition, ground support was provided to assist in obtaining MHW and MLLW tide coordinated photography.

Photo coverage for the project was adequately provided by natural color and tide coordinated black and white photography. The bridging/compilation photographs consisted of 7 flight strips taken at scales of 1:15,000, 1:30,000 and 1:60,000 with natural color film. Four strips were taken with the "Z" camera in October 1975 and three strips were taken with the "B" camera in March 1976. Tide coordinated MHW infrared photographs were taken in October 1975 with the "E" camera and in March 1976 with the "B" camera. Tide coordinated MLLW infrared photographs were taken in March 1976 with the "B" camera. All tide coordinated photography was taken at 1:15,000 and 1:30,000 scales.

Analytic aerotriangulation was adequately provided by the Washington Science Center in June 1976. Aerotriangulation activity also included ruling the base manuscripts and determining ratio values necessary for graphic compilation.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Section at the Atlantic Marine Center in February 1977. Class III data was forwarded to the Pacific Marine Center for proposed field edit and hydrographic activity.

Field edit was not accomplished for this map. This activity was canceled as hydrographic operations were postponed in the common shoreline area. Rescheduling of hydrographic activity has been proposed for 1984; however, this map will be registered as a Final Class III product.

SUMMARY CONTINUED (TP-00920)

Final review was performed at the Atlantic Marine Center in December 1983. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a Notes to Hydrographer Print was prepared for proposed hydrographic activity.

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

FIELD INSPECTION

TP-00920

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.

Photogrammetric Plot Report
Port Hueneme to Point Conception, California
CM-7509
June 1976

21. Area Covered

The area covered by this report is the southern California shoreline from Point Conception to the norther part of Port Hueneme. This area is covered by seven 1:20,000 scale sheets (TP-00918 through TP-00924), two 1:10,000 scale sheets (TP-00925 and TP-00926), and one 1:5,000 scale sheet (TP-00867).

22. Method

Seven strips of color photography (one 1:60,000, five 1:30,000, one 1:15,000) were bridged by analytic aerotriangulation methods.

Common points were located on the bridging photography and all photography being used for ratio purposes. Tie points were used on all bridging photography to ensure adequate junctioning during the strip adjustment. Ratio prints were ordered. The T-sheet manuscripts were plotted on the Coradomat.

23. Adequacy of Control

The control proved adequate except one station, (RATA,1975) which had an excessive error in the "X" direction and could not be rectified. With all other control being good, the station was dropped from the adjustment.

One strip of bridging photography (75Z(C)7858 through 7865) proved difficult to measure due to poor overlap and excessive swing in the flight line.

24. Supplemental Data

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

25. Photography

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

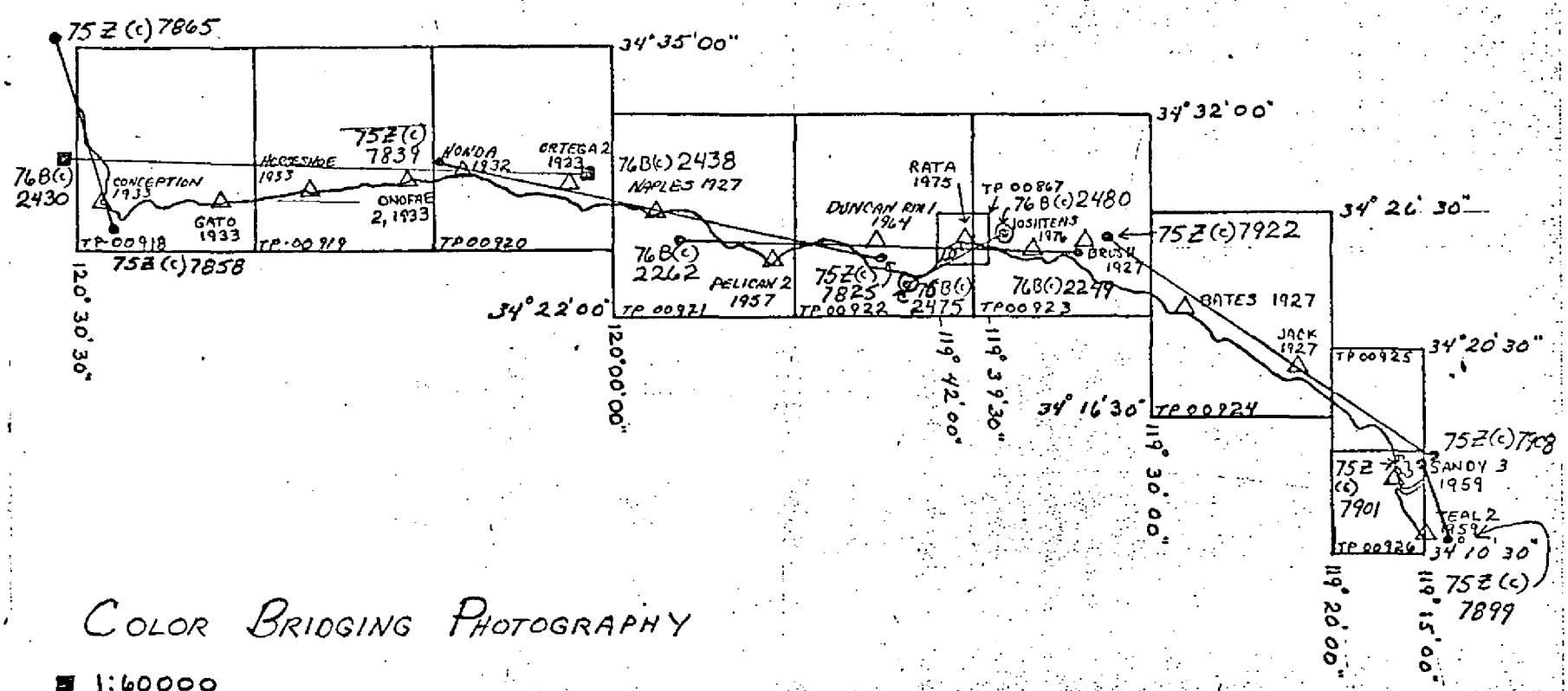
Respectfully submitted,

Stephen H. Volbeck

Approved and forwarded:

John D. Perrow, Jr.
Chief, Aerotriangulation Section

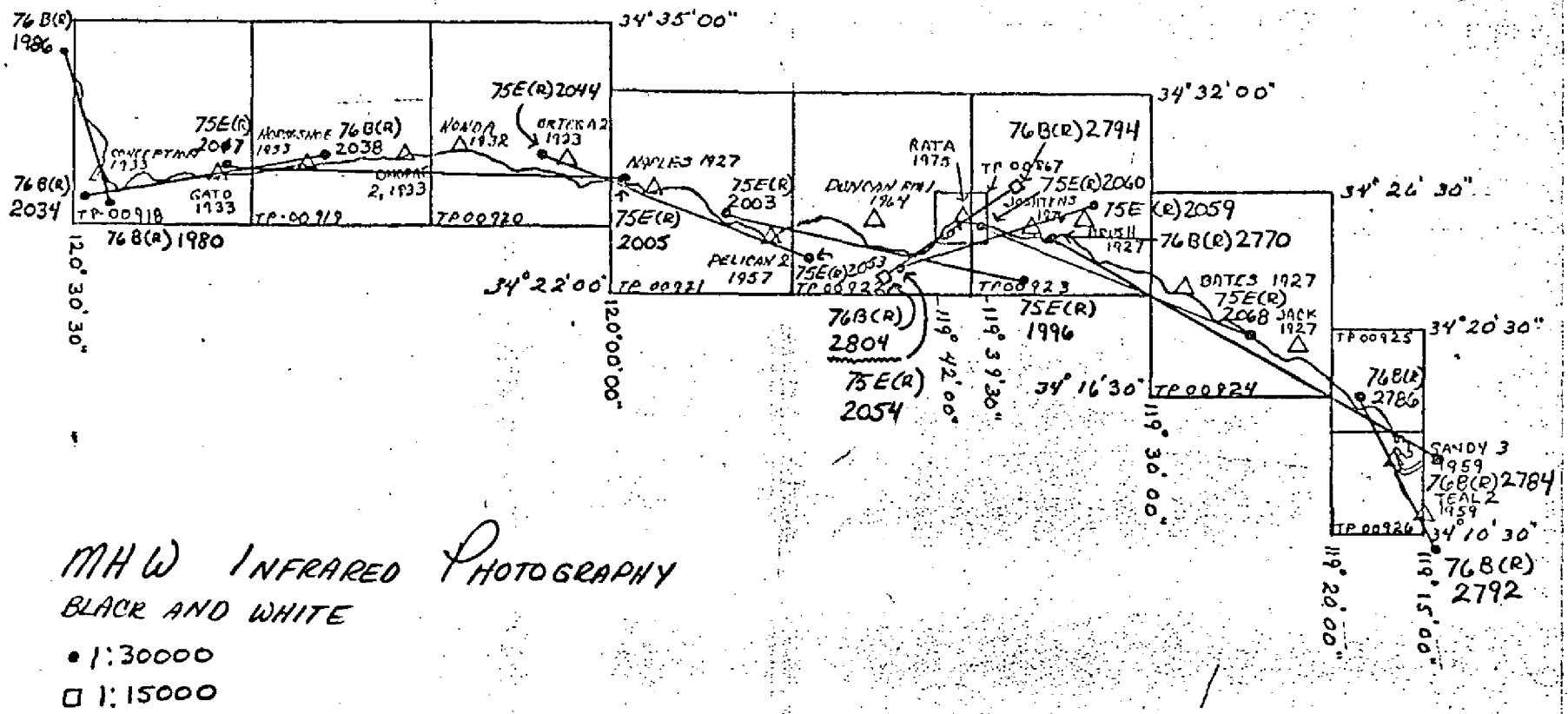
PORT HUENEME TO POINT CONCEPTION, CALIF.
CM 7509
AEROTRIANGULATION SKETCH



COLOR BRIDGING PHOTOGRAPHY

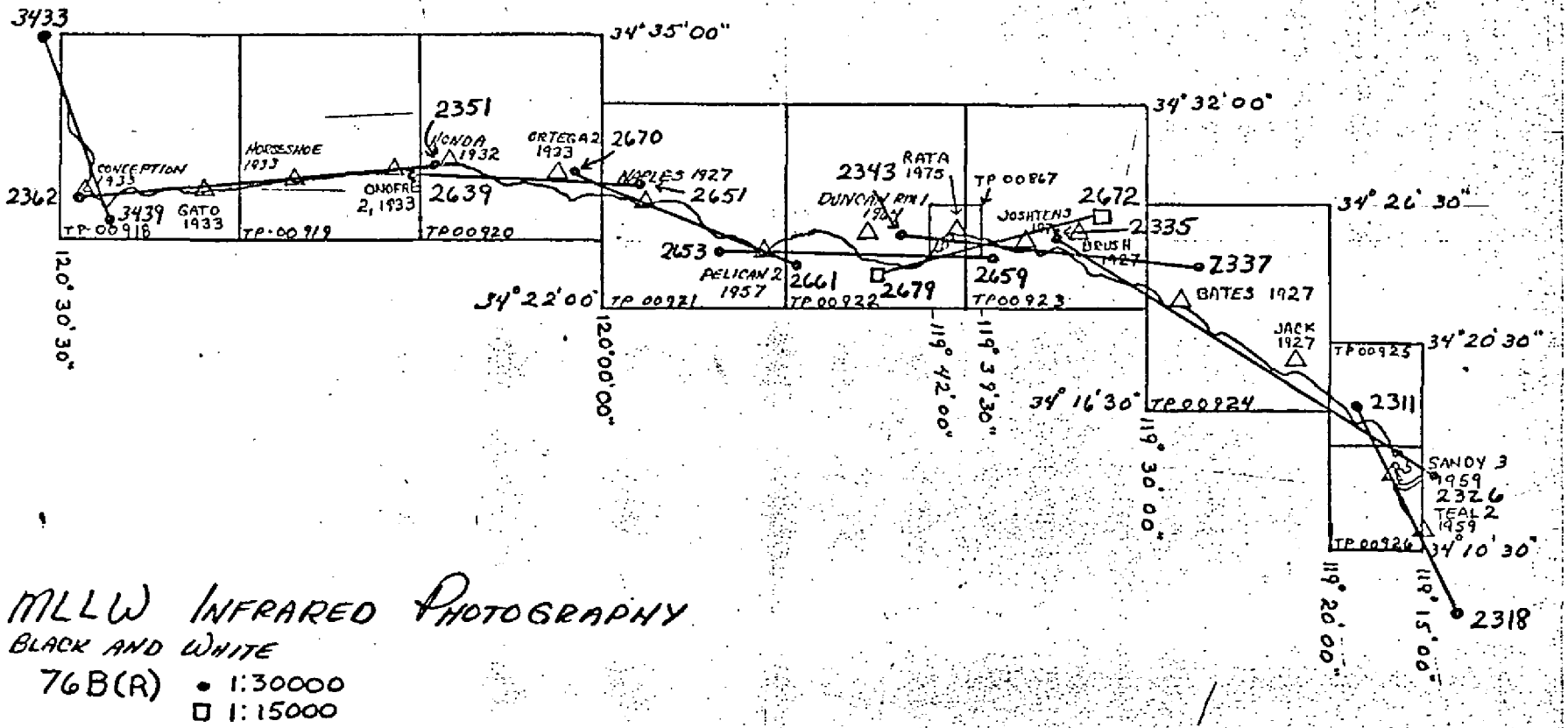
- ■ 1:60000
- ● 1:30000
- ⊙ 1:15000

PORT HUENEME TO POINT CONCEPTION, CALIF.
CM 7509
AEROTRIANGULATION SKETCH



MHW INFRARED PHOTOGRAPHY
BLACK AND WHITE
• 1:30000
□ 1:15000

PORT HUENEME TO POINT CONCEPTION, CALIF.
CM[redacted]7509
AEROTRIANGULATION SKETCH



MLLW INFRARED PHOTOGRAPHY
BLACK AND WHITE
76B(R) • 1:30000
□ 1:15000

List of Accuracy of Control Use in the Strip Adjustment

	Point		X error (ft)	Y error (ft)
Strip #1	899101	(Teal 2, 1959 Sub Pt)	+.001	-.001
	901100	(Sandy 3 1959)	-.000	+.001
Strip #2	900801	(To Strip #1)	+.059	-.154
	900802	(To Strip #1)	+.932	-1.296
	900803	(To Strip #1)	-.020	-1.005
	901106	(Sandy 3 1959)	+.069	-.300
	914100	(Jack 1927)	-.434	+1.064
	918100	(Bates 1927)	+.622	-.887
	922101	(Brush, 1927 Sub. Pt)	-.220	+.400
Strip #3	921801	(To Strip #2)	-1.380	+.047
	921802	(To Strip #2)	-.611	-.902
	922101	(Brush, 1927 Sub. Pt)	+1.056	+1.589
	251100	(Joshtens, 1976)	-1.891	-2.649
	477110	(Stearns Wharf LT #4, 1975)	-1.991	+.075
	478101	(Rata 1975 Sub Pt)	-21.316	+.050
	254110	(Jefferson School Tower, 1933)	-4.615	-8.326
	255110	(Santa Barbara Mission South Tower 1862)	-2.027	+2.520
	255111	(St Anthony's Seminary Cross on Dome, 1927)	+1.472	-1.647
	256101	(Duncan Reference Mark #1, 1964)	+1.096	+1.054
	258110	(KTMS North Radio Tower 1935)	+.280	+.424
	258111	(KTMS South Radio Tower 1935)	+1.077	+.079
	259101	(Pelican 2, 1957 Sub Pt)	-.520	-.771

Pt. Hueneme to Pt. Conception
CM-7509
August 1976

Supplement to Photogrammetric Plot Report

The final strip of CM-7509 was tied into Job CM-7604 well within National Map Accuracy Standards. The final manuscript (TP-00918) was plotted on the coradomat and forwarded. All ratio prints pertaining to this manuscript have been ordered.

NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00920	CM-7509	N.A. 1927	Coastal Mapping Unit, AMC

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET (STATE / ZONE)	GEOGRAPHIC POSITION (φ LATITUDE / λ LONGITUDE)	REMARKS FRONT M.	REMARKS BACK M.
HONDA, 1932	341202 Page 1034	838100	x= 1,355,880.18	φ 34°28'32.970"	1015.9	832.9
			y= 361,965.45	λ 120°08'14.485"	369.6	1161.5
TAUIGUAS, 1932	341202 Page 1064	36	x=	φ 34°27'52.699"	1623.8	225.0
			y=	λ 120°06'07.214"	1184.1	1347.2
GOAT, 1863	341202 Page 1029	38	x=	φ 34°28'07.009"	216.0	1632.8
			y=	λ 120°03'31.687"	808.7	722.6
ORTEGA 2, 1933	341202 Page 1045	834100	x=	φ 34°28'29.997"	924.3	924.5
			y=	λ 120°02'02.961"	75.6	1455.6
CAPITAN 2, 1933	341202 Page 1018	40	x=	φ 34°27'38.567"	1188.4	660.4
			y=	λ 120°01'37.494"	957.0	957.4
POSTA, 1932	341201 Page 1004	28	x=	φ 34°30'13.070"	402.7	1446.1
			y=	λ 120°09'48.454"	1236.1	2294.5
BLACK, 1872	341202 Page 1007	33	x=	φ 34°29'05.065"	156.1	1692.7
			y=	λ 120°07'23.359"	596.1	934.9
BERRY, 1932	341201 Page 1002	34	x=	φ 34°31'00.248"	07.6	1841.2
			y=	λ 120°04'51.872"	1323.1	207.3
RANCHO, 1933	341202 Page 1049	35	x=	φ 34°28'41.195"	1269.3	579.5
			y=	λ 120°06'18.854"	481.1	1050.0
REFUGIO 2, 1933	341202 Page 1050	37	x=	φ 34°28'26.195"	807.1	1041.7
			y=	λ 120°05'06.652"	169.8	1361.4

COMPUTED BY: A.C. Rauck, Jr.	DATE: 8/25/70	COMPUTATION CHECKED BY: Lowell O. Neterer, Jr.	DATE: 8/26/76	WH
LISTED BY: A.C. Rauck, Jr	DATE: 8/10/76	LISTING CHECKED BY: Lowell O. Neterer, Jr.	DATE: 8/23/76	
HAND PLOTTING BY: Coradomat	DATE: 7/76 n	HAND PLOTTING CHECKED BY:	DATE:	

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

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NOAA FORM 76-41
(6-75)

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	ORIGINATING ACTIVITY
TP-00920	CM-7509	N.A. 1927	Coastal Mapping Unit, AMC

STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET (STATE / ZONE)	GEOGRAPHIC POSITION (φ LATITUDE / λ LONGITUDE)	REMARKS FRONT M.	REMARKS BACK M
JOHN, 1932-1933	341202 Page 1036	41	x=	φ 34°28'09.987"	307.7	1541.1
			y=	λ 120°00'56.811"	1449.9	81.4
YEGAS, 1933	341202 Page 1068	42	x=	φ 34°28'52.235"	1609.5	239.3
			y=	λ 120°00'37.458"	955.9	575.1
SAGED, 1932	341202 Page 1054	43	x=	φ 34°29'28.158"	867.6	981.2
			y=	λ 120°00'03.848"	98.2	1432.7
			x=	φ		
			y=	λ		
			x=	φ		
			y=	λ		
			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: 8/25/76	COMPUTATION CHECKED BY: Lowell O. Neterer, Jr.	DATE: 8/26/76
LISTED BY: A. C. Rauck, Jr.	DATE: 8/10/76	LISTING CHECKED BY: Lowell O. Neterer, Jr.	DATE: 8/23/76
HAND PLOTTING BY: Coradomat	DATE: 7/76	HAND PLOTTING CHECKED BY: Coradomat	DATE: 7/76

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

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COMPILATION REPORT

TP-00920

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The 1:30,000 scale color photographs were set on 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 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 attached Photogrammetric Plot Report, dated June 1976.

33 - SUPPLEMENTAL DATA

A comparison was made with H.S. 5624, 5625, T.S. 4881, dated 1933 for the purpose of calling attention of the hydrographer items to be investigated; these items are noted on the Field Edit Ozalid in blue.

34 - CONTOURS AND DRAINAGE

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

35 - SHORELINE AND ALONGSHORE DETAILS

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

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

36 - OFFSHORE DETAILS

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

TP-00920

37 - LANDMARKS AND AIDS

Within the limits of the manuscript, there was one charted landmark and no navigational aids.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item #5 of the Descriptive Report.

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item Number 32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following U.S. Geological Survey Quadrangles: Gaviota, CA, scale 1:24,000, dated 1953; Tajiguas, CA, scale 1:24,000, dated 1953.

47 - COMPARISON WITH NAUTICAL CHARTS

A comparison has been made with the following National Ocean Survey charts: No. 18720, scale 1:232,188, dated September 6, 1975, 8th edition; and No. 18721, scale 1:100,000, dated July 10, 1976, 5th edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Submitted by,

C. Blood

C. Blood
Cartographic Technician
January 1976

Approved,

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

REVIEW REPORT TP-00920

SHORELINE

62. GENERAL STATEMENT

Refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

None.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with the following 1:24,000 scale USGS Quadrangles: Gaviota, CA, dated 1953; and Tajiguas, CA, dated 1953.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

No contemporary hydrographic survey was conducted prior to final review. The initial hydrographic activity was postponed, but has been proposed to resume in 1984.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with NOS Chart 18721, 1:100,000 scale, 7th edition, dated January 30, 1982, and with the 5th edition of this same chart.

It appears that several alongshore rocks were charted from the unreviewed Class III Chart Maintenance Print submitted to Marine Charts in July 1977. The initial purpose of locating these rocks was to advise the hydrographer of potential hazards and to verify or evaluate their existance. These rocks were located graphically from the MLLW tide coordinated infrared photographs; however, the accuracy of locating alongshore features by this method is minimized by the distorted photo images caused by surf action. Because hydrographic activity was postponed within this mapping area, field verification of these rocks was not accomplished. After a close analysis of the photographs and considering the methods used in the original compilation of these "rocks", they were removed from the Final Class III map.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

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

Approved for forwarding,
Billy H. Barnes
Chief, Photogrammetric Section, AMC

Submitted by,
Jerry L. Hancock
Final Reviewer

TP-00920

Approved,

Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry Branch

November 23, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7509 (~~Point~~ Hueneme to Point Conception, California)
Port

TP-00920

Arroyo Hondo

Arroyo Quemado

Capitan

Lento

Pacific Ocean

Santa Barbara Channel

Southern Pacific (RR)

Tajiguas

Tajiguas Creek

Approved by:

Charles E. Harrington

Charles E. Harrington
Chief Geographer
Nautical Charting Division

NOAA FORM 76-40
(8-74)

Replaces C&GS Form 567.

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

~~NONFLOATING AIDS OR~~ LANDMARKS FOR CHARTS

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)

☐ TO BE CHARTED
☐ TO BE REVISED
☒ TO BE DELETED

REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE
Coastal Mapping Unit, AMC, Norfolk, VA	California	Port Hueneme to Point Conception	Dec.1983

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM
411	CM-7509	TP-00920	N.A. 1927

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)	POSITION LATITUDE ° ′	LATITUDE ″ D.M. Meters	POSITION LONGITUDE ° ′	LONGITUDE ″ D.P. Meters	METHOD AND DATE OF LOCATION (See instructions on reverse side) OFFICE	FIELD	CHARTS AFFECTED
TANK	No tank visible where charted; appears destroyed.	34 28.2		120 02.8		Not visible	Class III, No field activity	18721 18720

RESPONSIBLE PERSONNEL		
TYPE OF ACTION	NAME	ORIGINATOR
OBJECTS INSPECTED FROM SEAWARD		☐ PHOTO FIELD PARTY ☐ HYDROGRAPHIC PARTY ☐ GEODETIC PARTY ☐ OTHER *(Specify)*
POSITIONS DETERMINED AND/OR VERIFIED		FIELD ACTIVITY REPRESENTATIVE
		OFFICE ACTIVITY REPRESENTATIVE
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Hancock, Dec. 1983	☐ REVIEWER ☐ 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

I. NEW POSITION DETERMINED OR VERIFIED

Enter the applicable data by symbols as follows:

F - Field	P - Photogrammetric
L - Located	Vis - Visually
V - Verified	
1 - Triangulation	5 - Field identified
2 - Traverse	6 - Theodolite
3 - Intersection	7 - Planetable
4 - Resection	8 - Sextant

A. Field positions* require entry of method of location and date of field work.

EXAMPLE: F-2-6-L
8-12-75

*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.

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

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.

FORM C&GS-8352
(8-26-63)

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO. ____________________

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.
1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

CHART	DATE	CARTOGRAPHER	REMARKS
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
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