

TP 00925

TP 00925

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2>DESCRIPTIVE REPORT</h2>	
<i>Map No.</i> TP-00925	<i>Edition No.</i> 1
<i>Job No.</i> CM-7509	
<i>Map Classification</i> FINAL FIELD EDITED MAP	
<i>Type of Survey</i> SHORELINE	
<b>LOCALITY</b>	
<i>State</i> CALIFORNIA	
<i>General Locality</i> PORT HUENEME TO POINT CONCEPTION	
<i>Locality</i> PIERPONT BAY	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 75 TO 19 77         </div>	
<b>REGISTRY IN ARCHIVES</b>	
<b>DATE</b>	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00925	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. 1	
				<input type="checkbox"/> RESURVEY		MAP CLASS FINAL	
				<input type="checkbox"/> REVISED		JOB <del>PH</del> CM-7509	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Unit, 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 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: <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 Conic				STATE California		ZONE 5	
5. SCALE 1:10,000				STATE		ZONE	
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION BY				S. Solbeck		June 1976	
METHOD: Analytic LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS PLOTTED BY				H. Jones		July 1976	
METHOD: Coradomat CHECKED BY				H. Jones		July 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY				C. Blood		Nov. 1976	
COMPILATION CHECKED BY				A. Rauck, Jr.		Nov. 1976	
INSTRUMENT: Wild B-8 CONTOURS BY				N.A.			
SCALE: 1:10,000 CHECKED BY				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Roderick		Nov. 1976	
METHOD: Smooth drafted and graphic CHECKED BY				F. Margiotta		Nov. 1976	
SCALE: 1:10,000 CONTOURS BY				N.A.			
HYDRO SUPPORT DATA BY				J. Hancock		Nov. 1976	
CHECKED BY				J. Roderick, F. Margiotta		Nov. 1976	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Nov. 1976	
6. APPLICATION OF FIELD EDIT DATA BY				J. Roderick		July 1978	
CHECKED BY				F. Margiotta		July 1978	
7. COMPILATION SECTION REVIEW BY				F. Margiotta		July 1978	
8. FINAL REVIEW FINAL MAP BY				J. Hancock		Jan. 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		Jan. 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				G Fromm		Feb. 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. Roman		May 1984	

NOAA FORM 76-36D  
(3-72)TP-00925  
RECORD OF SURVEY USEU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete pending field edit	Nov. 1976	Class III manuscript Superseded	Nov. 1976	Nov. 1976
Field edit applied. Compilation complete	July 1978	Class I manuscript	July 1978	July 1978
Final Review	January 1984	Final Map	Feb. 1984	Feb. 1984

## II. LANDMARKS AND AIDS TO NAVIGATION

## 1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

PAGES <del>NUMBER</del>	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Sept. 1978	Landmarks to be charted.
1		Feb. 1984	Landmarks to be charted (Final reviewed 76-40 form indicates one positional change)

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 55X 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)

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	

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

TP-00925

## COMPILATION SOURCES

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) "B"=152.74mm; "Z"=153.14mm Wild RC-10 "B" and "Z"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	
<input checked="" type="checkbox"/> PREDICTED TIDES #				Pacific	
<input checked="" 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	
75Z (C) 7908 - 7912#	Oct. 7, 1975	12:15	1:30,00,	0.5 ft. above M.H.W.	
76B(I) 2780 - 2782*	Nov. 15, 1976	09:54	1:30,000	±0.2 ft. of M.H.W.	
76B(I) 2322 - 2324**	Mar. 12, 1976	14:51	1:30,000	±0.2 ft. of M.L.L.W.	
				Mean range = 4.6 ft.	

REMARKS #Bridge 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  
2780 - 2782

RATIO VALUE  
2.975

## 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 infrared ratio photographs.

M.L.L.W. PHOTOS  
2322 - 2324

RATIO VALUE  
2.971

## 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-00926	1:20,000 TP-00924

REMARKS

None

TP-00925

## HISTORY OF FIELD OPERATIONS

I. ☒ 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 ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None None None
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> 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 IDENTIFIED  
None2. VERTICAL CONTROL IDENTIFIED  
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

None

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

(No horizontal control was premarked that fell within the limit of this map.)

2 C&amp;GS Forms 277 (tide level books) for project.

TP-00925  
HISTORY OF FIELD OPERATIONS1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Randall	Oct. 1977 Jan. 1978
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None M. Molchan Dec. 1977 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	M. Molchan Oct. 1977
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

76 B(I) 2323 (1:10,000 ratio)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

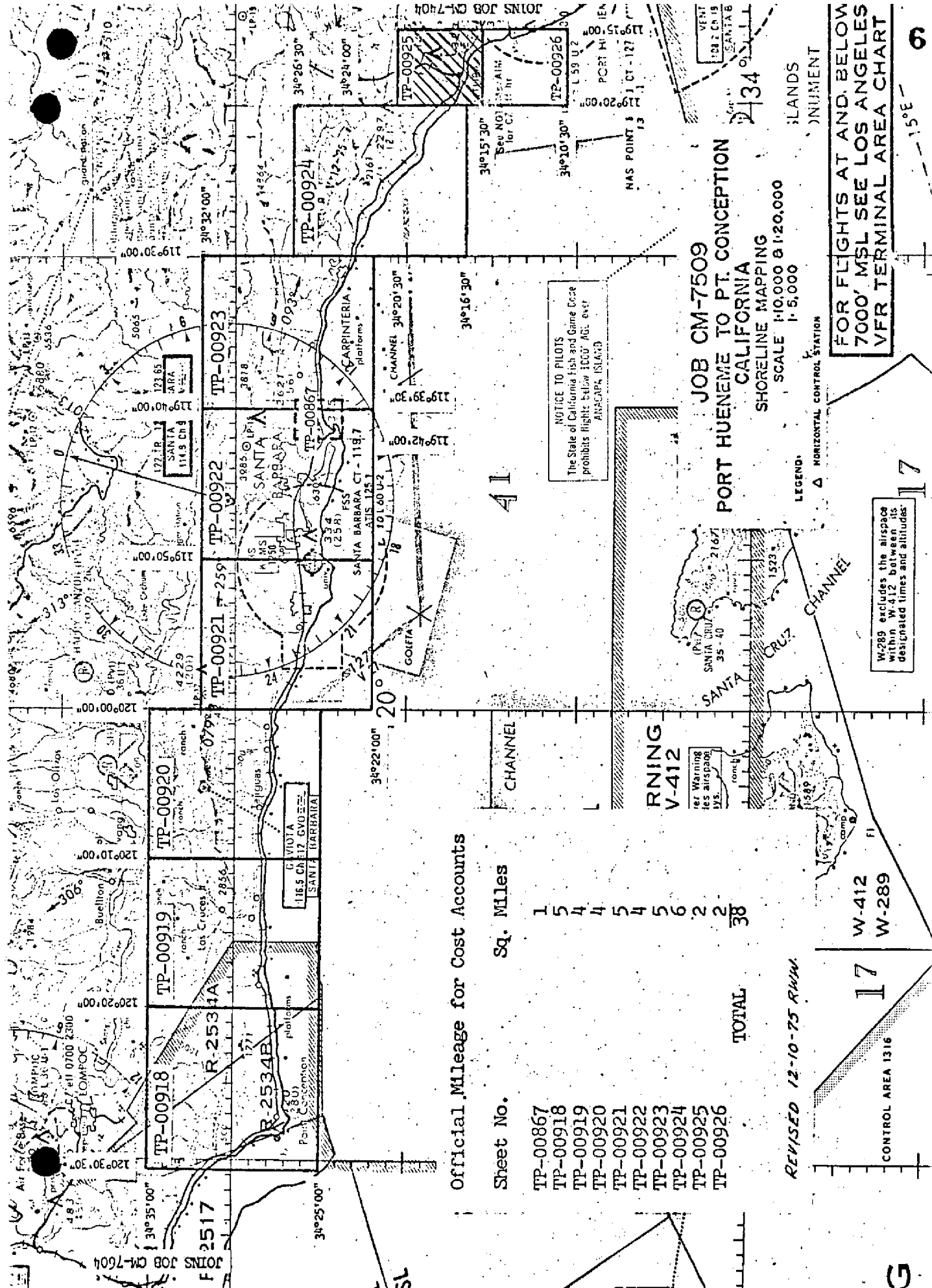
7. SUPPLEMENTAL MAPS AND PLANS

None

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

1 film field edit copy, 2 Forms 76-40's

1 field edit report



# Official Mileage for Cost Accounts

Sheet No. Sq. Miles

TP-00867  
TP-00918  
TP-00919  
TP-00920  
TP-00921  
TP-00922  
TP-00923  
TP-00924  
TP-00925  
TP-00926

1 5 4 4 5 4 5 6 2 2 38

TOTAL

REVISED 12-10-75 RWW

W-412  
W-289

17

CONTROL AREA 1316

W-289 excludes the airspace within W-412 between its designated times and altitudes

LEGEND:  
Δ HORIZONTAL CONTROL STATION

JOB CM-7509  
PORT HUENEME TO PT. CONCEPTION  
CALIFORNIA  
SHORELINE MAPPING  
SCALE 1:20,000 & 1:20,000  
1:5,000

FOR FLIGHTS AT AND BELOW  
7000' MSL SEE LOS ANGELES  
VFR TERMINAL AREA CHART

6

G

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00925

This 1:10,000 scale final 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 field edited map portrays a portion of shoreline along the California coast from longitude 119°15.0' to longitude 119°20.0' featuring Pierpont Bay.

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 of the photos necessary for graphic compilation.

Compilation, based upon photo interpretation, was performed by the Coastal Mapping Section at the Atlantic Marine Center in November 1976. Class III data was forwarded to the Pacific Marine Center for proposed field edit and hydrographic activity.

Field edit was performed in conjunction with hydrographic survey H-9730 in October 1977 by personnel aboard the NOAA Ship RAINIER. Application of field edit was accomplished in July 1978 at the Atlantic Marine Center.



TP-00925

Final Review was performed at the Atlantic Marine Center in January 1984. A Chart Maintenance Print was prepared and forwarded to the Marine Chart Branch. Also, a "Notes to Hydrographer" was prepared and forwarded to the Hydrographic Survey Branch for their records.

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

## FIELD INSPECTION

TP-00925

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. Wolbeck

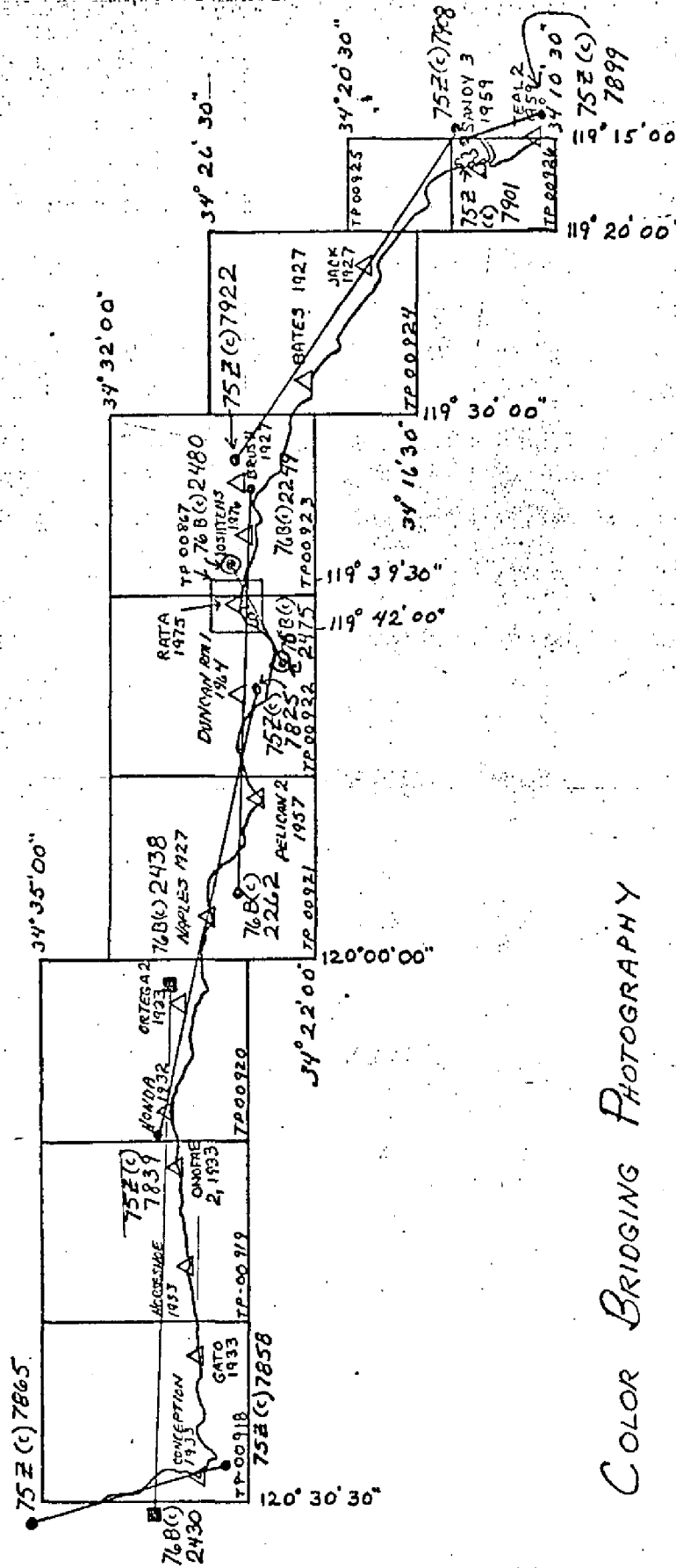
Approved and Forwarded:

*John D. Perrow, Jr.*  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

PORT HUENEME TO POINT CONCEPTION, CALIF.

CH 7509

Aerotriangulation Sketch

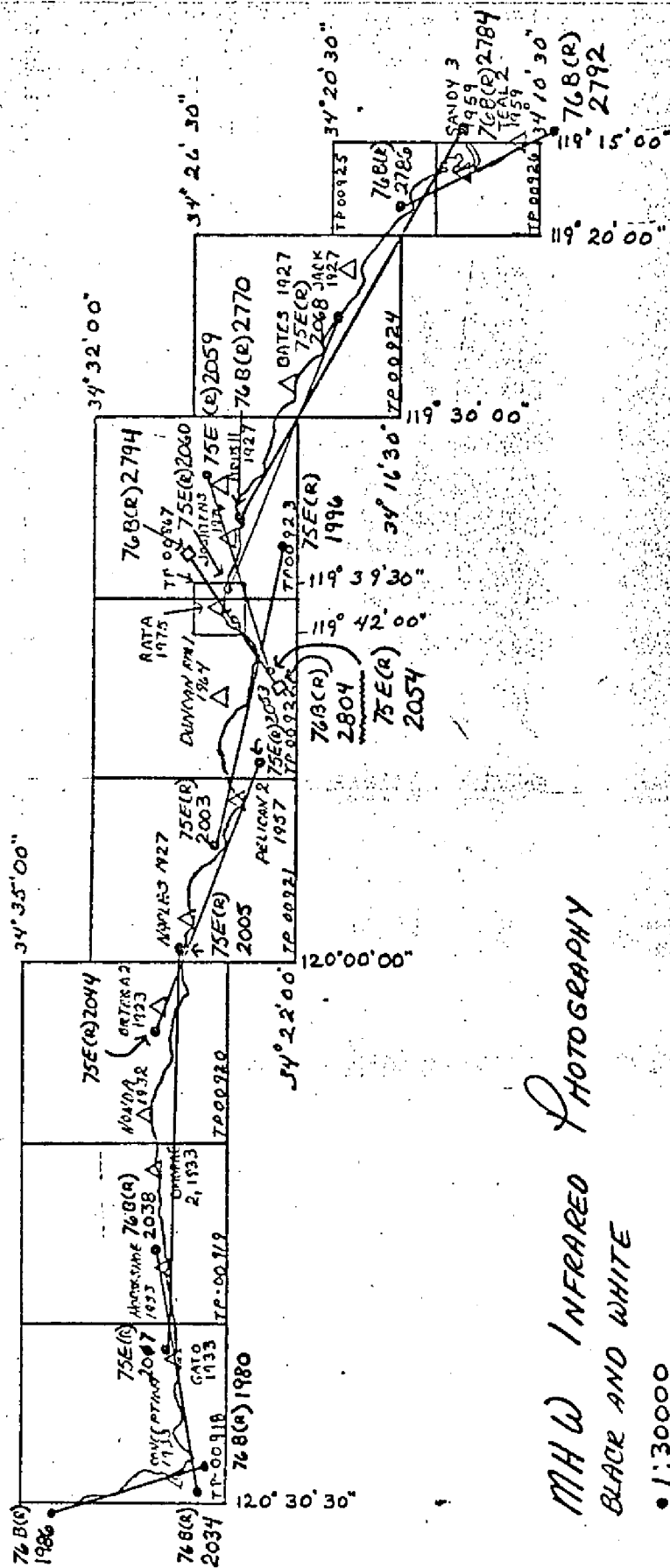


Color Bridging Photography

■ 1:60000

● 1:30000

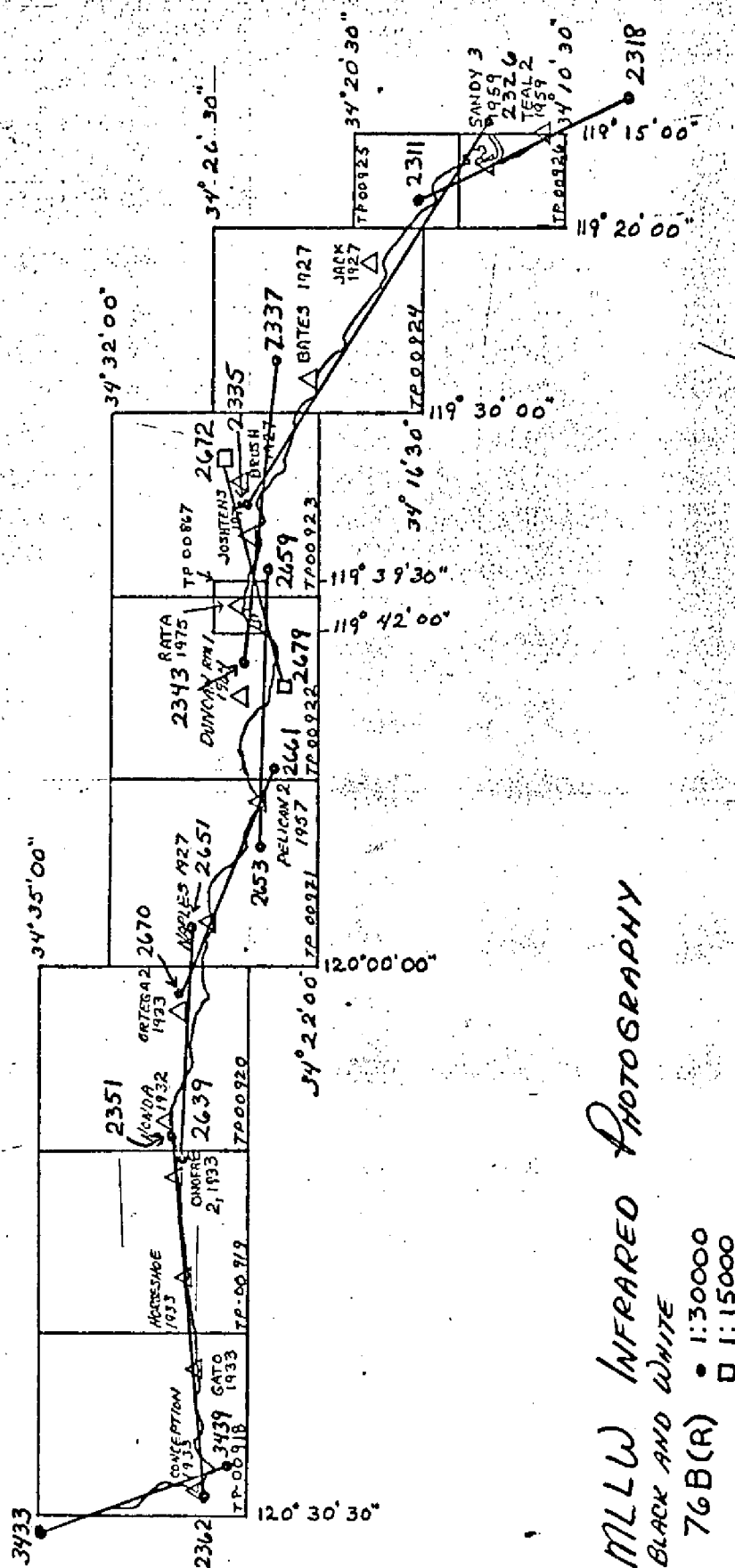
◎ 1:15000



MHW INFRARED PHOTOGRAPHY  
BLACK AND WHITE

• 1:30000  
□ 1:15000

PORT HUENEME TO POINT CONCEPTION, CALIF.  
 CMA 509  
 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	- 1.286
	900803 (TO STRIP #1)	- .020	- 1.005
	901100 (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 (JOSHENS, 1976)	- 1.891	- 2.649
	477110 (STEPENS 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 ANTHONYS 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.



## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITY		REMARKS	
TP-00925		CM-7509		N.A. 1927		Coastal Mapping Unit, AMC		FRONT M. BACK M.	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE California ZONE 5		GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE				
BRIDGE, 1951	341192 Page 1063	107	x=	$34^{\circ}16'37.109''$	$\phi$	$119^{\circ}18'21.448''$	1143.4	705.3	
			y=		$\lambda$		548.6	986.2	
VENTURA, PADRE JUNIPERO SERRA MEMORIAL CROSS, 1959	341192 Page 1015	136	x=	1,608,747.52	$\phi$	$34^{\circ}17'04.531''$	139.6	1708.9	
			y=	288,046.92	$\lambda$	$119^{\circ}17'42.873''$	1096.6	438.3	
VENTURA COUNTY COURTHOUSE, CUPOLA, 1933	341192 Page 1051	109	x=		$\phi$	$34^{\circ}16'56.630''$	17744.9	103.8	
			y=		$\lambda$	$119^{\circ}17'31.757''$	812.2	722.4	
VENTURA, CATHOLIC CHURCH, BELL TOWER, 1959	341192 Page 1042	113	x=		$\phi$	$34^{\circ}16'22.27''$	686.2	1162.5	
			y=		$\lambda$	$119^{\circ}15'05.93''$	151.7	1383.2	
CHAFFEE 2, 1923	341192 Page 1017	106	x=		$\phi$	$34^{\circ}18'02.199''$	67.8	1780.9	
			y=		$\lambda$	$119^{\circ}19'47.980''$	1226.9	307.4	
MART 3, 1960	341192 Page 1014	110	x=		$\phi$	$34^{\circ}17'46.5916''$	1435.6	413.1	
			y=		$\lambda$	$119^{\circ}16'21.1466''$	540.8	993.6	
WAGON, 1951	341192 Page 1094	111	x=		$\phi$	$34^{\circ}17'14.778''$	455.3	1393.4	
			y=		$\lambda$	$119^{\circ}16'37.245''$	952.6	581.9	
			x=		$\phi$				
			y=		$\lambda$				
			x=		$\phi$				
			y=		$\lambda$				
			x=		$\phi$				
			y=		$\lambda$				
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 8/6/76	LISTING CHECKED BY Lowell O. Neterer, Jr.				DATE 8/25/76		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY				DATE		

## COMPILATION REPORT

TP-00925

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The 1:30,000 scale color photography was set on the Wild B-8 stereoplotter. The interior details and alongshore features were delineated at this time. Points common to the 1:10,000 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. 5419, 5420, T.S. 4824, 4847, dated 1933 for the purpose of calling attention to the hydrographer items to be investigated.

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

No unusual problems. The breaker limit delineated along the shoreline was compiled to assist the hydrographer.

TP-00925

37 - LANDMARKS AND AIDS

Within the limits of the manuscript, there were five charted landmarks, two are established triangulation stations, and three were located photogrammetrically. There were no 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 Quadrangle: Oxnard, CA, scale 1:24,000, dated 1949 and photorevised 1967.

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, 18th edition; and No. 18725, scale 1:50,000, dated November 1, 1975, 14th edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

TP-00925

Submitted by,

*James E. Byrd, Jr. for*  
Joanne D. Roderick  
Cartographer  
11/17/76

Approved,

*James E. Byrd, Jr. for*  
Albert C. Rauck, Jr.  
Chief, Coastal Mapping Unit

ADDENDUM TO THE COMPILATION REPORT

TP-00925

Field edit was accomplished in October 1977 through January 1978 in conjunction with the hydrographic survey (H-9725) assigned to NOAA Ship RAINIER. One ratio photograph, 76 B(I) 2323, was used to identify and clarify shoreline details. The field edit was adequate.

## FIELD EDIT REPORT

TP-00925

JOB CM-7509

OPR-411-RA-77

Port Hueneme to Point Conception, California  
Ventura

2 FIELD UNITS

OCTOBER 26-28, 1977

(JD 290-292)

## 51 METHODS

All shoreline delineated on TP-00925 was verified on foot. Questions pertaining to pipelines and fixed aids to navigation were answered by visiting the sites in question via motor vehicle.

Greenwich Mean Time (local + 8 hours) was used to reference the heights of shoreline features. Master Field Edit Ozalid TP-00925 and black and white photograph 76B(I)2323 include shoreline and topographic notes using colors with the following accepted meanings: violet - verification of features, red - addition or revision of features, green - deletion of features. All field edit information gathered in the field was written on the field copy ozalids and on black and white photographs 2322, 2323. This information was then transferred to the Master Field Edit Ozalid and chronapaque photograph 76B(I)2323.

## 52 ADEQUACY OF COMPILATION

The compilation of manuscript TP-00925 is complete and adequate. ~~Compilation of MHWL was excellent requiring no change. For further information refer to Descriptive Report, H-9730.~~

## 53 MAP ACCURACY

Chart 18725 shows ruins located just north of Lat.  $34^{\circ} 15' 30''$ N. The ruins are not visible from the shore at MLLW. Since this area is subject to heavy surf a skiff was not used to investigate the ruins. Local surfers explained the ruins exist in their charted location (from Lat.  $34^{\circ} 15' 30''$ N. to the first groin north.) Chart 18725 also indicates pilings extending from the MHWL 200 meters seaward at Lon.  $119^{\circ} 16' 30''$ W. No pilings were visible in this area from the shore at MLLW however, local real estate personnel explained a pier existed in this area in the 1930's. ~~It is recommended that both the groins and pilings remain charted in their present locations.~~ Five pipelines are charted on 18725 east and west of the Ventura pier (from Lon.  $119^{\circ} 17' 00''$ W to  $119^{\circ} 18' 00''$ W). The following sources were used to gather information on the pipeline locations:

1. Director of Public Works, Ventura, CA.
2. State Regulator
3. City Engineer, Ventura, CA.
4. County Recorder, Ventura County
5. Ventura Sewage Treatment Plant
6. State Park System
7. Oil Companies - Getty Oil, Mobil Oil, Shell Oil, Standard Oil, Union Oil, U.S.A., Petrochem

Of the five pipelines the three easternmost pipelines could not be verified from any of the above sources. None of the pipeline ends

were located because RAINIER hydrographic survey operations OPR-411-RA-77 were not conducted in this area, (pipelines are charted between  $119^{\circ} 17' 00''\text{W}$  and  $119^{\circ} 17' 30''\text{W}$ ). It is recommended the pipelines remain on the chart until hydrography is run in the area and a dive investigation is conducted to ascertain their existence.

The pipeline running north and south at Lon.  $119^{\circ} 17' 39''\text{W}$  was verified by Getty Oil Company as having a correct charted location. The location of the sewer pipeline (at Lon.  $119^{\circ} 17' 59''\text{W}$ ) was verified by officials at the sewage treatment plant. The sewer pipeline is no longer in operation.

There is only one addition to the manuscript. Approximately 150 meters of riprap was added to the shoreline at  $119^{\circ} 19' 13''\text{W}$ .

Two radio towers (KVEN and KUDU) were plotted on the Master Field Edit Ozalid TP-00925. Neither of these towers currently exist in the plotted locations. Geographic Positions for both radio towers are included on NOAA Form 76-40 in the separates following the text of this report.

One cross approximately 20 feet tall is located in the hills north of Ventura at Lat.  $34^{\circ} 17' 04.531''\text{N}$ , Lon.  $119^{\circ} 17' 42.871''\text{W}$ . From sea it is barely visible during the day but it is illuminated at night and visible from all directions. The Master Field Edit Ozalid shows three geodetic stations within 100 meters of the cross. CROSS 1951 is a triangulation station within 50 meters of the cross. SAN BUENA VENTURA MISSION CROSS 1927 and VENTURA, PADRE JUNIPERO SERRA, MEMORIAL CROSS, 1959 are two different names for the cross mentioned above. RAINIER horizontal control officer has geodetically located the cross, keeping the 1959 station name VENTURA, PADRE JUNIPERO SERRA, MEMORIAL CROSS. For more complete information on all geodetically located features refer to NOAA Form 76-40 in the separates following the text and Horizontal Control Report, OPR-411-RA-77

#### 54 RECOMMENDATIONS

None.



Respectfully submitted,

*Lewis G. Sapine* LCDR, NOAA  
Operations Officer

For *Marianne Molchan*, LT(jg)  
Field Edit Officer

Approved by:

*James P. Randall*  
James P. Randall, Capt., NOAA  
Commanding Officer

## REVIEW REPORT TP-00925

## SHORELINE

61. GENERAL STATEMENT

Refer to the 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 U.S.G.S. Quadrangle Ventura, CA, 1:24,000 scale, dated 1951 and photorevised 1967.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with contemporary survey H-9730, surveyed October 1977. No comparison was made with adjoining hydro survey H-9725 because an expedient copy of this smooth sheet could not be obtained.

Field edit for this shoreline map was performed in conjunction with hydrographic survey H-9730.

A final map copy designated "Notes to Hydrographer" was prepared to relay shoreline source data that may be applicable to the hydrographic surveys.

65. COMPARISON WITH NAUTICAL CHARTS

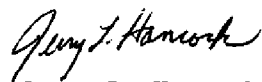
A comparison was made with the following NOS Charts: 18725, 1:50,000 scale, 19th edition, dated July 10, 1982; and, 18720, 1:232,188 scale, 24th edition, dated June 5, 1982.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS

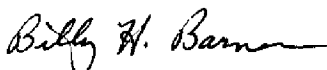
This map compiles with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

## REVIEW REPORT TP-00925

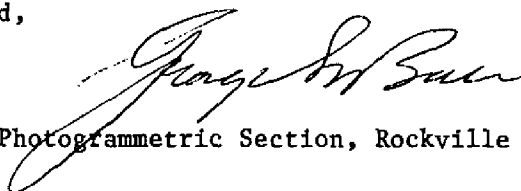
Submitted by,

Jerry L. Hancock  
Final Reviewer

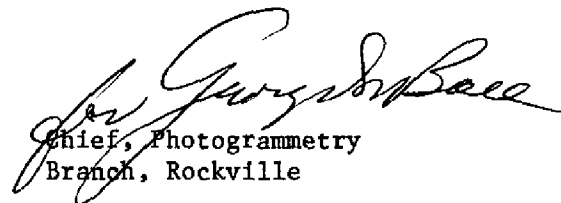
Approved for forwarding,

Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,



Chief, Photogrammetric Section, Rockville

Chief, Photogrammetry  
Branch, Rockville

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00925

Pacific Ocean

Pierpont Bay

Pierpont Bay (Ppl)

Santa Barbara Channel

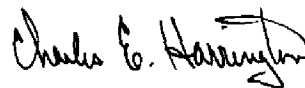
Southern Pacific (RR)

Ventura

Ventura Keys

Ventura River

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	M. Molchan
POSITIONS DETERMINED AND/OR VERIFIED	M. Molchan
	J. Roderick
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	J. Hancock, January 1984
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
(Consult Photogrammetric Instructions No. 64)	
<b>OFFICE</b> <b>I. OFFICE IDENTIFIED AND LOCATED OBJECTS</b> Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	<b>FIELD (Cont'd)</b> <b>B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object.</b> EXAMPLE: P-8-V 8-12-75 74L(C)2982
<b>FIELD</b> <b>I. NEW POSITION DETERMINED OR VERIFIED</b> Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	<b>II. TRIANGULATION STATION RECOVERED</b> When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 <b>III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH</b> Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 <b>**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.</b>
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.	

