

TP 00923

TP 00923

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h1>DESCRIPTIVE REPORT</h1>	
<i>Map No.</i> TP-00923	<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> CARPINTERIA	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 75 TO 1978         </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 <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED		SURVEY TP. 00923 MAP EDITION NO. (1) MAP CLASS FINAL JOB RM- CM-7509	
DESCRIPTIVE REPORT - DATA RECORD				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__	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Unit-Norfolk, VA OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR							
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation June 9, 1976				Premarking Aug. 11, 1975			
Compilation June 8, 1976				Premarking-Supp. I Jan. 07, 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 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 BY METHOD: Analytic LANDMARKS AND AIDS BY				S. Solbeck		June 1976	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY				H. Jones		July 1976	
				H. Jones		July 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				C. Blood		Nov. 1976	
INSTRUMENT: Wild B-8 CONTOURS BY				A. C. Rauck, Jr.		Nov. 1976	
SCALE: 1:20,000 CHECKED BY				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				G. Morris		Dec. 1976	
				F. Margiotta		Jan. 1977	
METHOD: Smooth drafted and graphic CONTOURS BY				N.A.			
				N.A.			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				G. Morris		Dec. 1976	
				F. Margiotta		Jan. 1977	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Jan. 1977	
6. APPLICATION OF FIELD EDIT DATA BY				D. Butler		Aug. 1978	
				F. Margiotta		Sept. 1978	
7. COMPILATION SECTION REVIEW BY				F. Margiotta		Sept. 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. T. Grogan		May 1984	

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00923  
COMPILATION SOURCES

## I. 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		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	
76B (C) 2249-2253#	Mar.12,1976	09:35	1:30,000	2.8 ft. above M.L.L.W.	
75Z (C) 7919 - 7922#	Oct.7,1975	12:15	1:30,000	0.5 ft. above M.H.W.	
76B (I) 2770 - 2773*	Mar.15,1976	09:54	1:30,000	±0.2 ft. of M.H.W.	
75E (I) 2060 - 2061*	Oct.8,1975	13:23	1:30,000	±0.2 ft. of M.H.W.	
76B (I) 2331 - 2335**	Mar.12,1976	14:55	1:30,000	±0.2 ft. of M.L.L.W.	
76B (I) 2337 - 2341**	Mar.12,1976	15:05	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	RATIO VALUE
75E (I) 2060 - 2061	1.453
76B (I) 2770 - 2773	1.485

## 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	RATIO VALUE
76B (I) 2331 - 2335	1.486
76B (I) 2337 - 2341	1.486

## 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-00924	No Survey	TP-00867 (inset) TP-00922

REMARKS

TP-00923

## HISTORY OF FIELD OPERATIONS

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

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Sept. 1975 March 1976
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby ESTABLISHED BY R. Melby PRE-MARKED OR IDENTIFIED BY L. Riggers	1975, 1976 1975, 1976 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 <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~~  
PREMARKED2. VERTICAL CONTROL IDENTIFIED  
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75Z(C) 7922	BRUSH, 1927 (Sub. Pt. paneled, 1975)		
76B(C) 2250	BRUSH, 1927 (Sub. Pt. paneled, 1976)		
76B(C) 2251	JOSTENS, 1976 (Field position, paneled direct, 1976)		

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)

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

TP-00923

## HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	B. I. Williams	March 1978
2. HORIZONTAL CONTROL	RECOVERED BY R. B. Crowell, M. S. Finke ESTABLISHED BY None PRE-MARKED OR IDENTIFIED BY None	March 1978
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 M. S. Finke LOCATED (Field Methods) BY *M. S. Finke IDENTIFIED BY None	March 1978 March 1978
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY 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)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

\*Private markers located by hydrographic field methods (raydist) position submerged cable and pipeline.

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)

Field edit ozalid, Field edit report, 1 Form 76-40, 1 C&amp;GS Form 275 (Field Vol.)

NOAA FORM 76-36D  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00923  
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. 1976	Class III manuscript SUPERSEDED	July 1977	July 1977
Field edit applied. Compilation complete.	Sept. 1978	Class I manuscript	Sept. 1978	Sept. 1978
Final Review	Jan. 1984	Final Map	Feb. 1984	Feb. 1984

## II. LANDMARKS AND AIDS TO NAVIGATION

I. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH			
PAGES <del>MANUSCRIPT</del>	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		Sept. 1978	Landmark to be revised (Name change) Class I
1		Feb. 1984	Landmark to be revised (Name change) Final Map (Position remains as previously submitted)

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: \_\_\_\_\_3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: \_\_\_\_\_

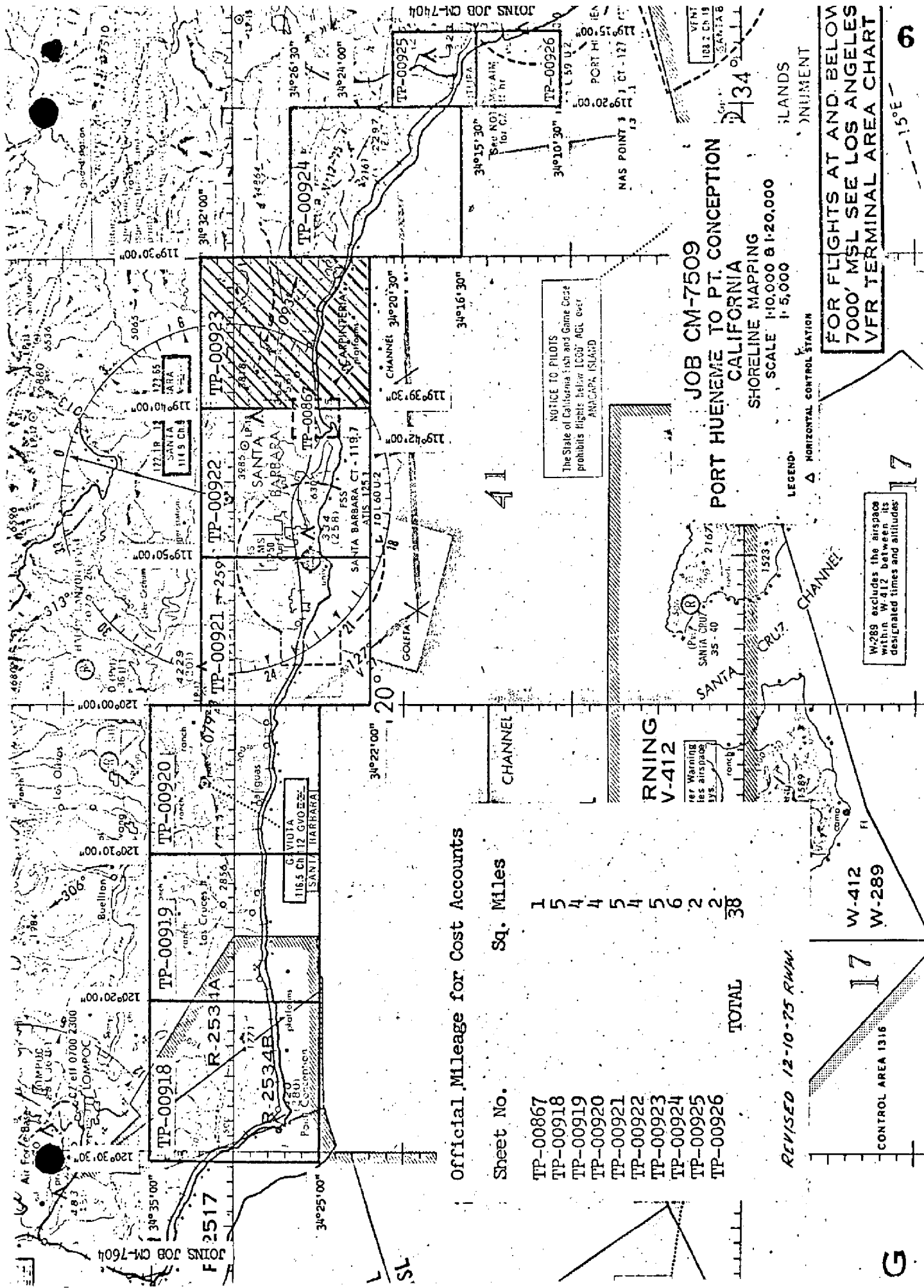
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~76-48~~ 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	



SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00923

This 1:20,000 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 edit map portrays a portion of shoreline along the California coast from Edgecliff Point to Carpinteria. Also, designated on the west side of the map are the junctioning limits to inset map TP-00867.

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 January 1977. 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-9752 in March 1978 by personnel aboard the NOAA Ship FAIRWEATHER. Application of field edit was accomplished in September 1978 at the Atlantic Marine Center.



TP-00923

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-00923

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 (752(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.

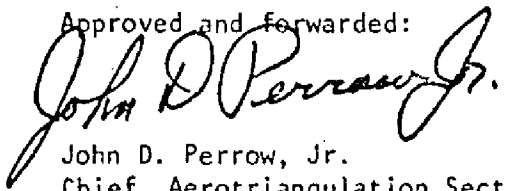
25. Photography

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

Respectfully submitted,

  
Stephen H. Volbeck

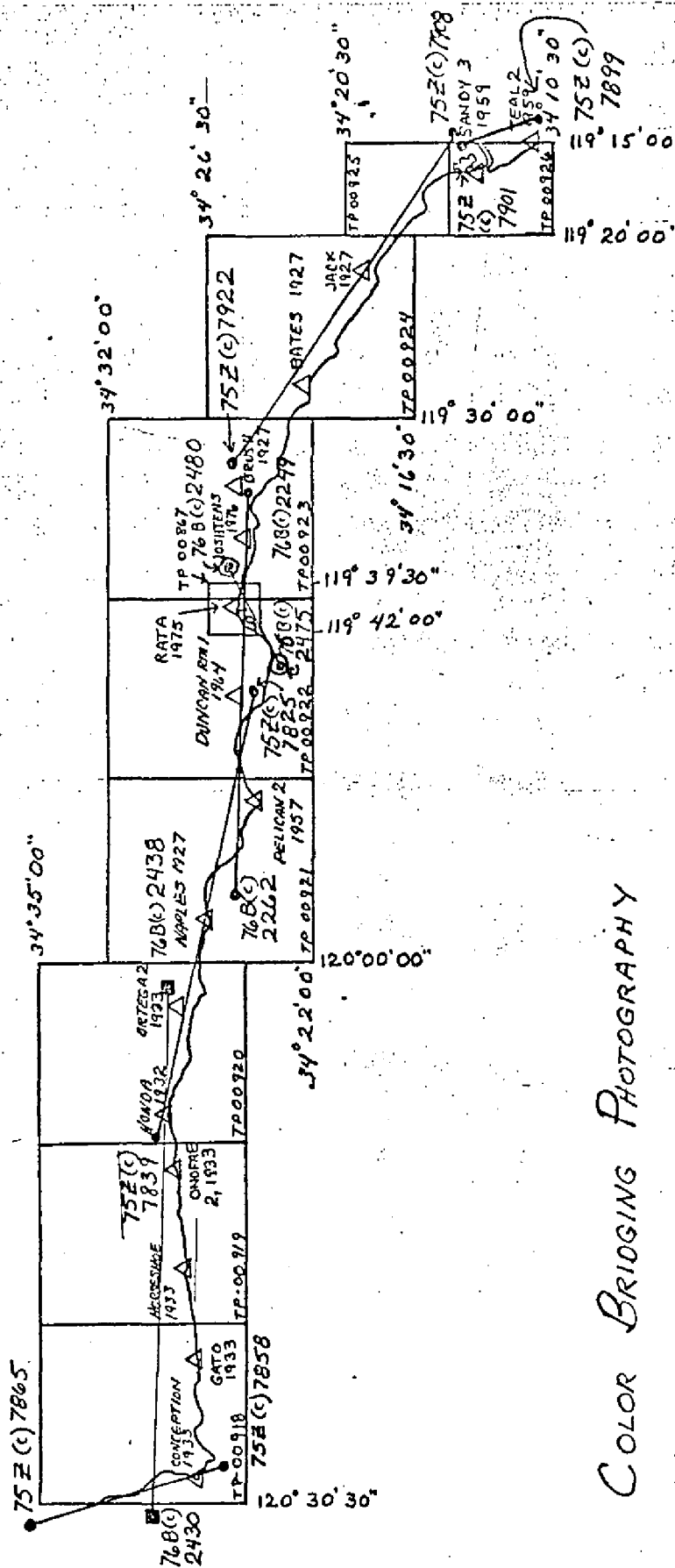
Approved and Forwarded:

  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section




PORT HUENEME TO POINT CONCEPTION, CALIF.  
CH 7509

60509

## HEROTRIANGULATION SKETCH



# Color Bridging Photography

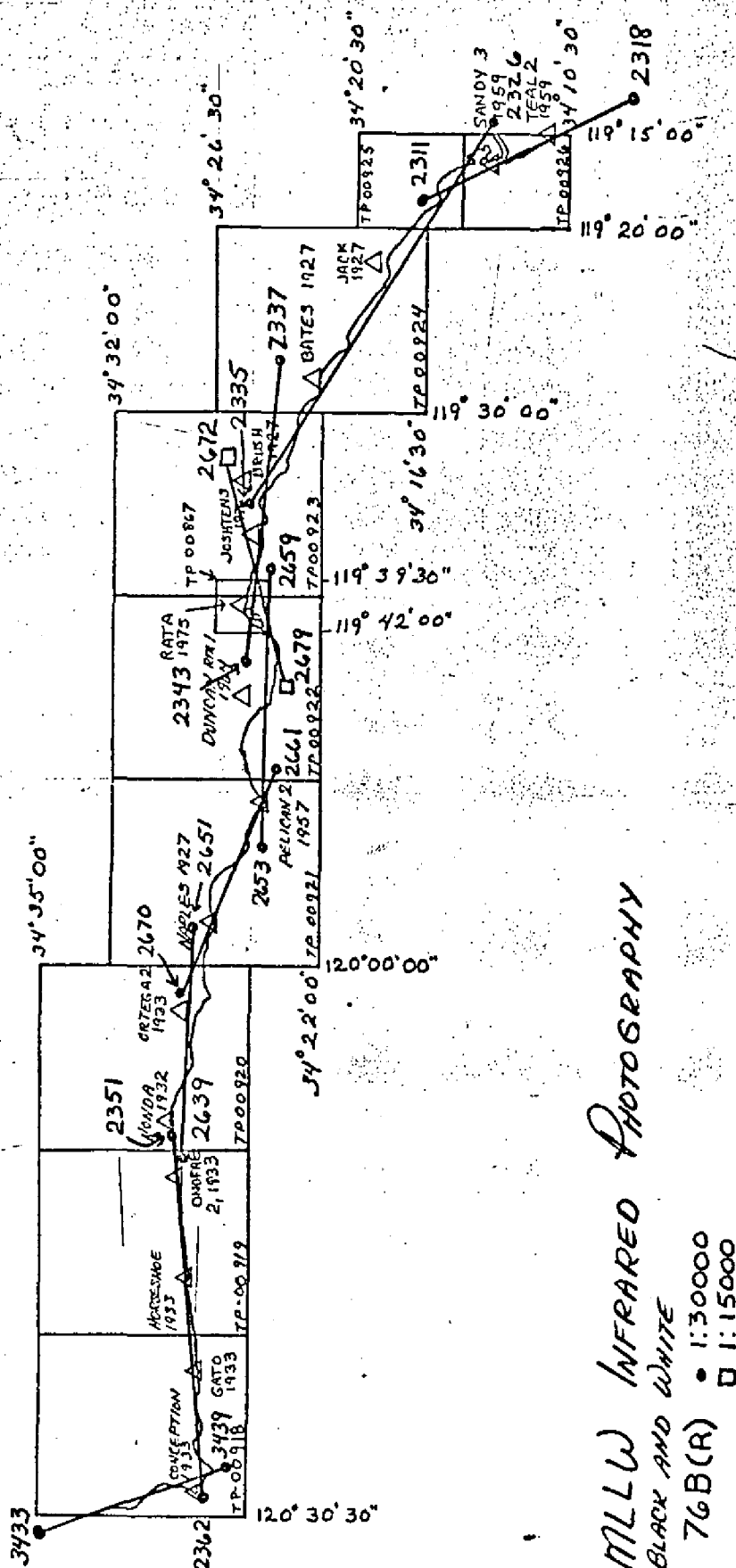
-  1:60000  
 1:30000  
 1:15000



PORT HUENEME TO POINT CONCEPTION, CALIF.

CM 509

Aerotriangulation Sketch



# 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
	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 (STEAMERS WHARF) (LT #4, 1975)	- 1.991	+ .075
	478101 (BATA 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 CORNER, 1927)	+ 1.472	- 1.647
	256101 (DUNCAN REFERENCE) (MARK #1, 1964)	+ 1.096	+ 1.054
	258110 (KIMS NORTH RADIO) (TOWER 1938)	+ .280	+ .424
	258111 (KIMS SOUTH RADIO) (TOWER 1938)	+ 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. TP-00923	JOB NO. CM-7509	GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY Coastal Mapping Div., AMC		REMARKS	
		STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	φ LATITUDE λ LONGITUDE	FRONT M.
BELL, 1930	341193 Page 1081	77	X=	φ 34° 25' 33.743" -	1039.7	809.1	
			Y=	λ 119° 39' 19.434" -	496.2	1035.8	
HAMMOND, 1937	Page 1039	147	X=	φ 34° 24' 57.300" -	1765.6	83.2	
			Y=	λ 119° 38' 10.297" -	263.0	1269.2	
LUDDINGTON, 1937	Page 1048	80	X=	φ 34° 25' 08.176" -	251.9	1596.9	
			Y=	λ 119° 37' 10.683" -	272.8	1259.4	
LOON, 1927	Page 1047	84	X=	φ 34° 24' 48.861" -	1505.6	343.2	
			Y=	λ 119° 34' 48.149" -	1229.6	302.7	
BRUSH, 1927	Page 1019	922100	X=	φ 34° 25' 45.494" -	1401.8	447.0	
			Y=	λ 119° 33' 13.515" -	345.1	1186.9	
JOSHTEENS, 1976	Form 280 Field G.P.	251100	X=	φ 34° 25' 20.3439" -	626.9	1221.9	
			Y=	λ 119° 36' 30.7066" -	784.1	748.0	
TORO, 1927	341193 Page 1071	82	X=	φ 34° 27' 12.677" -	390.6	1458.2	
			Y=	λ 119° 33' 10.565" -	269.7	1261.8	
MONTECITO, 1927	341193 Page 1050	131	X=	φ 34° 28' 18.568" -	572.1	1276.7	
			Y=	λ 119° 38' 17.004" -	433.9	1097.3	
FRANKLIN, 1927	341193 Page 1038	92	X=	φ 34° 25' 53.896" -	1660.7	188.1	
			Y=	λ 119° 30' 57.334" -	1463.9	68.0	
			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 8/19/76	LISTING CHECKED BY Lowell O. Neterer, Jr.		DATE 8/24/76		
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE		

## COMPILATION REPORT

TP-00923

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 1:30,000 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. 5498, 5499, T.S. 4854, 4855, 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

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

37 - LANDMARKS AND AIDS

Within the limits of this manuscript, there is one charted landmark, which was a triangulation station, and no charted aids.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record From 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: Santa Barbara, CA, scale 1:24,000, dated 1952 and photorevised 1967; and Carpinteria, CA, scale 1:24,000, dated 1952 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.

Submitted by,

*George Morris*  
George Morris  
Cartographic Technician  
December 1976

Approved,

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

## ADDENDUM TO THE COMPILATION REPORT

TP-00923

Field edit was accomplished in March 1978 in conjunction with the hydrographic survey assigned to NOAA Ship FAIRWEATHER. No photographs were used for identification of features or for clarification of details.

All alongshore/offshore rocks were located by hydrographic methods (Raydist detached positioning) and, consequently, could not be office checked. A page of abstracted positions, accompanied by the field edit ozalid, were used to compile all field located rocks. Three private markers designating the location of a submerged pipeline were positioned from a submitted field sketch and the abstracted positions. The two most southerly markers fell beyond the map limits; however, they were compiled for the alignment of the submerged pipeline.

Positions for the submerged cables and pipelines were derived from evaluating the field edit ozalid and the field edit volume. The editor remarked in the report that "the positions were determined from information obtained from the responsible organizations".

## PHOTOGRAMMETRIC OFFICE PRE-HYDRO AND FIELD EDIT REVIEW

TP- 00923

PROJECTION AND GRIDS FPM	TITLE FPM	HORIZONTAL CONTROL FPM	PHOTOGRAMMETRIC PLOT REPORT FPM
DETAIL POINTS AND PASS POINTS FPM	PROCESSED RATIOS FPM	AIDS TO NAVIGATION FPM	LANDMARKS FPM
MEAN HIGH WATER LINE FPM	LOW-WATER LINE FPM	ROCKS, SHOALS, ETC. FPM	ALONG SHORE AND OTHER PHYSICAL FEATURES FPM
WATER FEATURES FPM	ALONG SHORE AND OTHER CULTURAL FEATURES FPM	BRIDGES FPM	ROADS FPM
BUILDINGS FPM	RAILROADS FPM	CONTOURS AND SPOT ELEVATIONS NA	GEOGRAPHIC NAMES FPM
JUNCTIONS FPM	LEGIBILITY OF THE MANUSCRIPT FPM	COMPILATION REPORT FPM	FIELD EDIT QZALID FPM
COMPARISON WITH NAUTICAL CHARTS FPM	COMPARISON WITH PRIOR SURVEYS FPM	COMPARISON WITH EXISTING MAPS FPM	FIELD PRINTS AND OTHER COPIES FPM
REVIEWER F. Margiotta	DATE January 1976	SUPERVISOR A. C. Rauck, Jr.	DATE January 1976
REMARKS			

## PHOTOGRAMMETRIC OFFICE POST-HYDRO AND FIELD EDIT REVIEW

MANUSCRIPT NUMBERS FPM	FORMAT STICK-UP FPM	MANUSCRIPT SIZE FPM	HORIZONTAL CONTROL FPM
PHOTO HYDRO STATIONS FPM	PLOTTING OF <del>STATION NUMBERS</del> RAYDIST POSITIONS FPM	AIDS TO NAVIGATION FPM	LANDMARKS FPM
MEAN HIGH WATER LINE FPM	LOW-WATER LINE FPM	ROCKS, SHOALS, ETC. FPM	ALONG SHORE AND OTHER PHYSICAL FEATURES FPM
WATER FEATURES FPM	ALONG SHORE AND OTHER CULTURAL FEATURES FPM	PIPELINES, CABLES, ETC. FPM	BRIDGES FPM
ROADS FPM	BUILDINGS FPM	RAILROADS FPM	CONTOURS AND SPOT ELEVATIONS N.A.
GEOGRAPHIC NAMES FPM	JUNCTIONS FPM	FIELD EDIT PHOTOGRAPHS FPM	FIELD EDIT QZALID FPM
GEOGRAPHIC FIX POSITIONS NONE	FIELD FORMS FPM	FIELD EDIT REPORT FPM	APPROVED TIDES FPM
CHART MAINTENANCE PRINT AND OTHER COPIES FPM	PREPARATION FOR FINAL REVIEW FPM	COMPILER D. Butler	DATE August 1978
REVIEWER F. Margiotta	DATE September 1978	SUPERVISOR A. C. Rauck, Jr.	DATE September 1978
REMARKS			

Field Edit Report  
Santa Barbara Channel, California  
L-100-FA-78

GENERAL

This report covers topographic manuscripts TP-00867, TP-00922 and TP-00923. With the exception of the relocation of two landmarks, field work is complete on all manuscripts.

The beach area is generally sandy but with rock and stones predominating in many areas. Much of the shoreline is backed by dirt bluffs of varying heights. Offshore rocks are sparsely scattered and generally close inshore. The entrance to the Santa Barbara marina is dredged frequently due to continual shoaling. Shoreline in the immediate area of the entrance is subject to considerable change.

METHOD

Field edit was performed by LTJG Robert Crowell and ENS Mark Finke during the month of March, 1978. Work was done from shore, from skiffs and from hydrographic launches. Copies of the field edit ozalids and photographs were examined in the field to verify general features and some details. Work was performed at various tidal stages, with special effort at low tide to locate as many offshore rocks as possible.

A total of 57 fixes were taken along 19.3 nautical miles of shoreline to locate objects of interest or possible danger to navigation. Raydist electronic positioning equipment was used to control most fixes. The systems were calibrated before and after work each day. Sextant fixes utilized objects shown on the ozalids. Some positions were determined by taping distances from objects shown on the ozalids or identifiable on the photographs. Information on signals used is included in the data volume or appended to this report.

No check fixes were taken when locating the offshore rocks due to a general lack of visible signals on shore. The bluffs blocked visibility in any direction except along the beach.

The positions of sewer outfalls and underwater pipelines and cables were determined from information obtained from the responsible organizations. This information is recorded in the data volume.

ADEQUACY OF COMPILATION

Office compilation of the manuscripts was satisfactory.

TP-00923

LANDMARKS

The tower (BELL 1930) shown on the chart is more accurately described as a cupola. It is a short, wide bell tower but the term tower might be misleading. It is recommended that it be charted as a cupola.

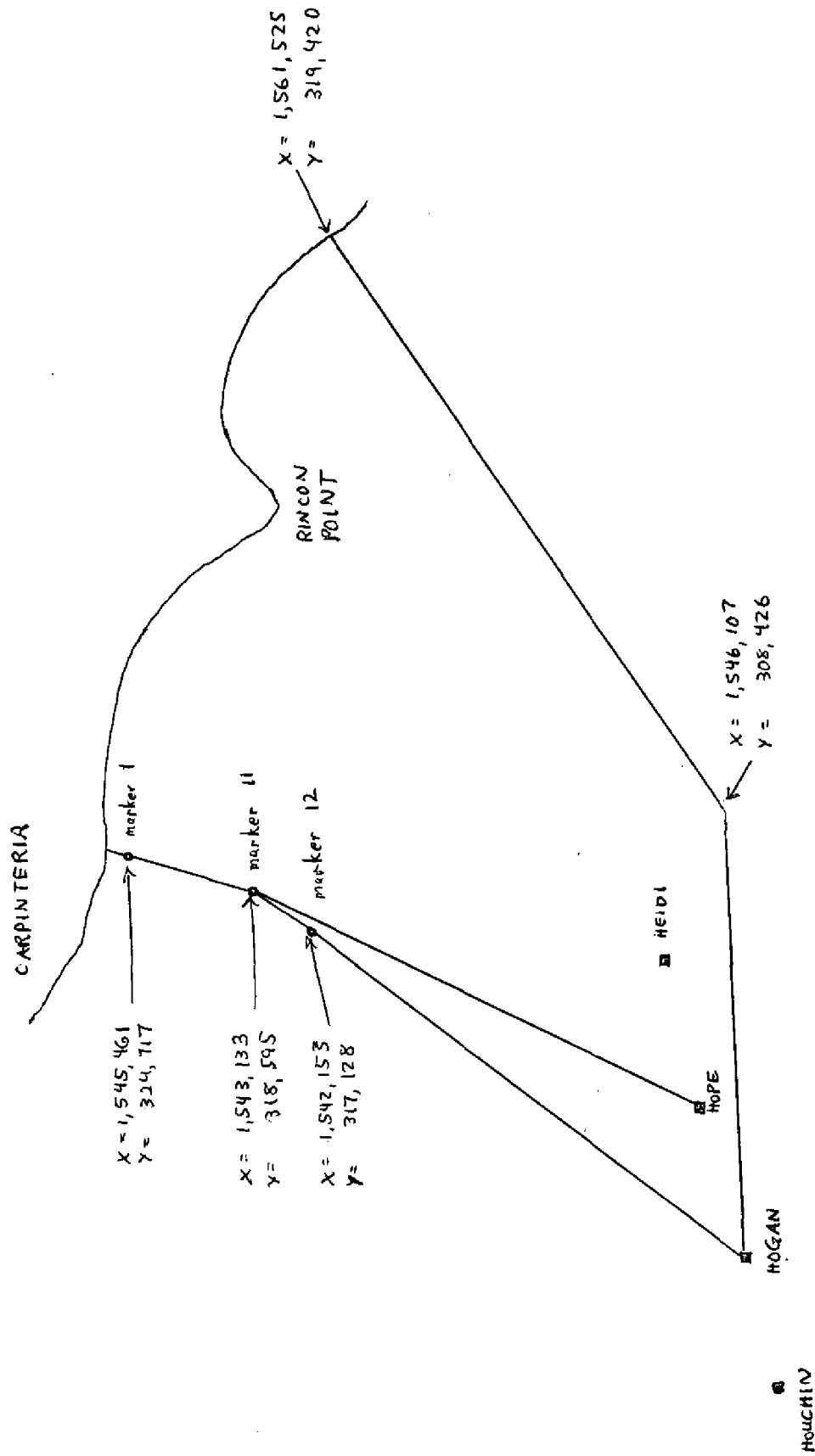
MISCELLANEOUS

The underwater cable and pipeline at the east edge of the manuscript which extend to the offshore oil platforms are not plotted on the ozalid. California grid coordinates are provided for various points along the length of the pipeline and explanatory diagrams are appended to this report.

FIELD EDIT  
 ABSTRACT OF POSITIONS  
 TP-00923  
 ( Raydist)

Number	Geographic position	Description
87-05	34° 24' 59.7" 119° 39' 26.6"	Rocks bare 1 to 4 ft
87-06	34° 24' 58.8" 119° 39' 21.0"	Rocks subm 1 ft and bare 2 ft
87-07	reject	
87-08	34° 24' 59.0" 119° 39' 11.8"	Rock awash
87-09	34° 24' 58.9" 119° 39' 09.4"	Rock bares 1 ft
87-10	34° 24' 58.9" 119° 39' 07.5"	Rock awash
87-11	reject	
87-12	34° 24' 59.9" 119° 37' 56.6"	Rock bares 0.5 ft
87-13	34° 23' 11.5" 119° 30' 57.2"	Rock subm 2 ft
87-14	34° 23' 11.0" 119° 30' 52.3"	Rock bare 1 ft
87-15	34° 23' 09.8" 119° 30' 48.0"	Rock subm 3 ft
87-16	34° 23' 07.3" 119° 30' 35.2"	Rock subm 3 ft
87-17	34° 23' 03.0" 119° 30' 13.5"	Rock awash





MANUSCRIPT ACCURACY

Comparison of the shoreline and the positions of stations near the beach revealed that little change has occurred since the time of the photographs. However, considerable bluff erosion, with accompanying changes in the shoreline, has occurred in the past and will continue.

RECOMMENDATIONS

It is recommended that the manuscripts be revised as indicated on the master field edit ozalids.

INDIVIDUAL MANUSCRIPTS

Details specific to each manuscript are dealt with in the following individual reports.

Submitted by

*Robert B Crowell*

Robert B Crowell  
LTJG, NOAA

Approved by

*Bruce I Williams*

Bruce I Williams  
Commanding Officer  
NOAA Ship Fairweather

REVIEW REPORT TP-00923  
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 the following U.S.G.S. 1:24,000 scale Quadrangles: Santa Barbara, CA, dated 1952, photorevised 1967; and, Carpinteria, CA, dated 1952, photorevised 1967.

A prominent seaward pier shown on the Carpinteria quad at the Carpinteria Creek entrance (Lat. 34°23.4'; Long. 119° 31.2') does not appear on the photographs.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with an advanced copy of hydrographic survey H-9752, verified July 1979, 1:20,000 scale. A prominent pier at Edgecliff Pt. (Lat. 34°24.9', Long. 119° 38.4") was not compiled on the hydrographic survey, apparently this feature was overlooked during the smooth sheet processing.

Field edit for this shoreline map was performed in conjunction with hydrographic survey H-9752.

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

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following N.O.S. 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 complies with the Project Instructions, and meets the requirements for National Standards of Map Accuracy.

Submitted by,

*Jerry L. Hancock*

Jerry L. Hancock  
Final Reviewer

Approved for forwarding,

*Billy H. Barnes*

Billy H. Barnes  
Chief, Photogrammetric Section, AMC

Approved,

*George W. Bae*

Chief, Photogrammetric Section, Rockville

*George W. Bae*

Chief, Photogrammetry  
Branch

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00923

Arroyo Paredon

Serena

Carpinteria

Southern Pacific (RR)

Carpinteria Creek

Summerland

Edgecliff Point

Toro Canyon Creek

El Estero

Fernald Point (Fernald Point)

*GRH.*

Franklin Creek

Loon Point

Montecido (Montecito)

*GRH.*

Montecido Creek (Montecito Creek)

*GRH.*

Oak Creek

Old Town

Ortega

Pacific Ocean

Approved by:

Romero Creek

*Charles E. Harrington*

Sand Point

Charles E. Harrington

Sandyland

Chief Geographer

Nautical Charting Division

Sandyland Cove (Ppl)

Santa Barbara Channel

Santa Monica Creek

San Ysidro Creek

[illegible]

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	Robert B. Crowell, LTJG
POSITIONS DETERMINED AND/OR VERIFIED	Robert B. Crowell, LTJG
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	David P. Butler, Carto. Tech.
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION' (Consult Photogrammetric Instructions No. 64.) Jerry Hancock, January 1984	
<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 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	<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>

