

TP 00922

00922

TP 00922

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-00922	<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> SANTA BARBARA POINT	
<div style="border: 1px solid black; padding: 5px; display: inline-block;">           19 75 TO 19-78         </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. 00922 MAP EDITION NO. (1) MAP CLASS FINAL JOB <del>PH</del> 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 Compilation June 8, 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				Premarking Aug. 11, 1975 Premarking-Supp. I Jan. 7, 1976			
II. DATUMS							
1. HORIZONTAL: <input checked="" type="checkbox"/> 1927 NORTH-AMERICAN				OTHER (Specify)			
2. VERTICAL: <input checked="" type="checkbox"/> MEAN HIGH-WATER <input type="checkbox"/> MEAN LOW-WATER <input checked="" type="checkbox"/> MEAN LOWER LOW-WATER <input type="checkbox"/> MEAN SEA LEVEL				OTHER (Specify)			
3. MAP PROJECTION 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 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 L. O. Neterer, Jr. Nov. 1976 COMPILATION CHECKED BY A. C. Rauck Nov. 1976 INSTRUMENT: Wild B-8 CONTOURS BY N.A. SCALE: 1:20,000 CHECKED BY N.A.							
4. MANUSCRIPT DELINEATION PLANIMETRY BY I. K. Perkinson Dec. 1976 CHECKED BY F. Margiotta March 1977 METHOD: Smooth drafted and graphic CONTOURS BY N.A. SCALE: 1:20,000 HYDRO SUPPORT DATA BY I. K. Perkinson Dec. 1976 CHECKED BY F. Margiotta March 1977							
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY F. Margiotta March 1977							
6. APPLICATION OF FIELD EDIT DATA BY D. Butler Aug. 1978 CHECKED BY F. Margiotta Aug. 1978							
7. COMPILATION SECTION REVIEW BY F. Margiotta Aug. 1978							
8. FINAL REVIEW FINAL MAP BY J. Hancock Nov. 1983							
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY J. Hancock Nov. 1983							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY G. Fromm Jan. 1984							
11. MAP REGISTERED - COASTAL SURVEY SECTION BY R. Thompson May 1984							

NOAA FORM 76-36B  
(3-72)TP-00922  
COMPILATION SOURCESU. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEY

## 1. COMPILATION PHOTOGRAPHY

CAMERA(S) "B"=152.74mm "E"=152.71mm Wild RC-10"B", RC-8"E"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES #				Pacific	<input type="checkbox"/> DAYLIGHT
<input checked="" type="checkbox"/> REFERENCE STATION RECORDS *, **				MERIDIAN	
<input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				120th	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
76B (C)2254-2259#	Mar 12, 1976	09:35	1:30,000	2.8 ft. above M.L.L.W.	
75E (I)1997 - 2001*	Oct. 7, 1975	12:30	1:30,000	±0.2 ft. of M.H.W.	
76B (I)2654 - 2658**	Mar 14, 1976	13:03	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 above listed tide coordinated infrared photography.

Ratio value for photos 1997 - 2001 = 1.476.

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

\*\*The M.L.L.W. line was compiled graphically from the above listed tide coordinated infrared photography.

Ratio value for photos 2653 - 2658 = 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-00923 TP-00867 (1:5,000 inset)	No survey	TP-00921

REMARKS

TP-00922

## 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 R. Melby ESTABLISHED BY R. Melby PRE-MARKED OR IDENTIFIED BY R. Melby and L. Riggers	1975, 1976 1975 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	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY N. A.	

## II. SOURCE DATA

1. HORIZONTAL CONTROL ~~RECOVERED~~ PREMARKED

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75Z(C)7819	DUNCAN R.M. 1, 1964(SUB PT, 1975)		
76B(C)2256	DUNCAN R.M. 1, 1964(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)

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

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

TP-00922

## 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	March 1978
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY None	
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 R. B. Crowell	March 1978
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY <input checked="" type="checkbox"/> NO INVESTIGATION	
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY None	
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY 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

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

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

7. SUPPLEMENTAL MAPS AND PLANS

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

Field Edit Print (film)

Field Edit Report: 2 forms 76-40

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

TP-00922

## 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	March 1977	Class III manuscript SUPERSEDED	July 1977	July 1977
Field edit applied. Compilation complete.	August 1983	Class I manuscript	Sept. 1978	Sept. 1978
Final Review	Nov. 1983	Final Map	Jan. 1984	Jan. 1984

## II. LANDMARKS AND AIDS TO NAVIGATION

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

PAGES <del>XXXXXX</del>	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
3		Sept. 1978	Landmarks and Aids for charts.
<del>3</del>			<del>Landmarks and Aids for charts.</del>

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

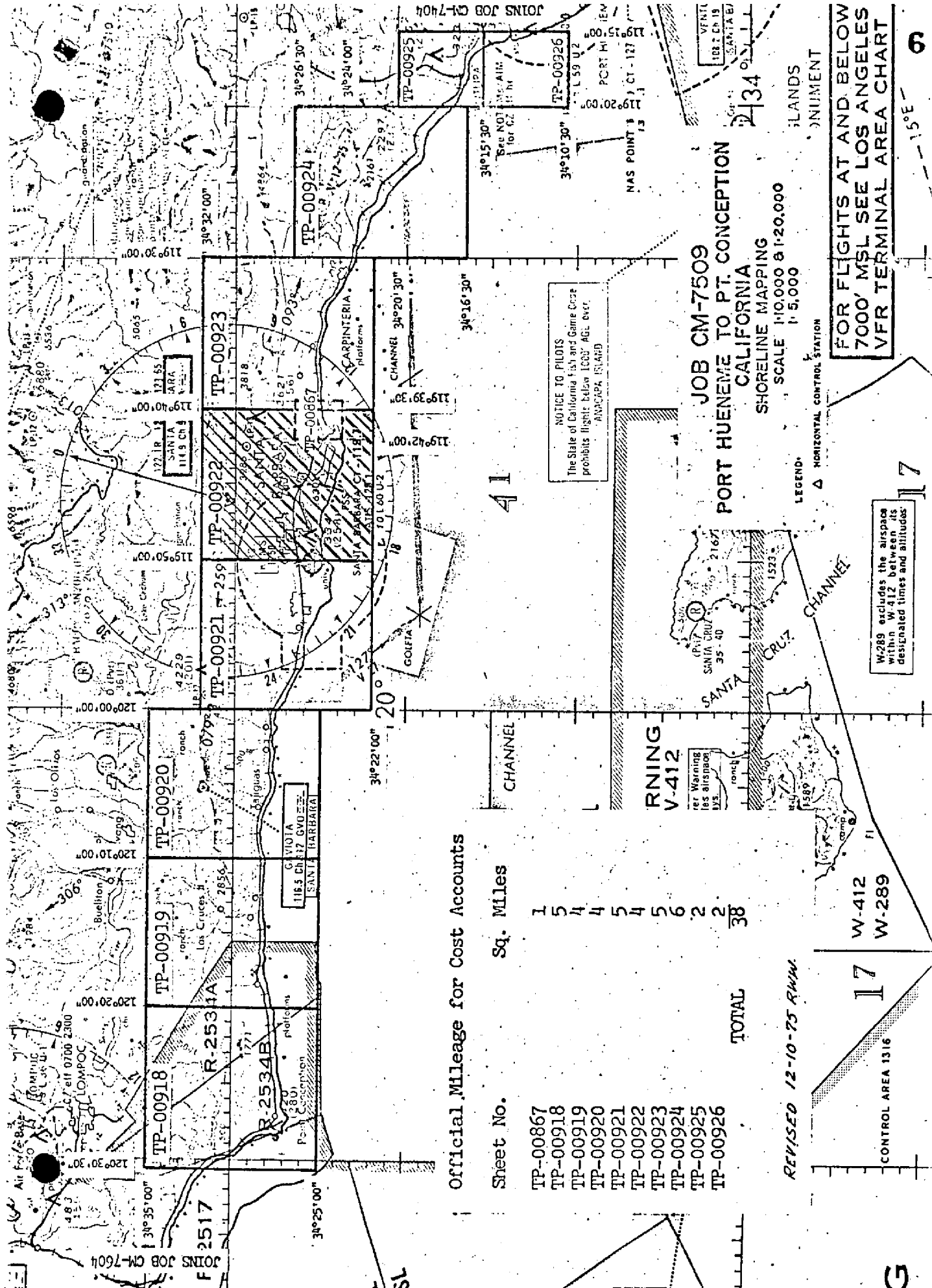
## III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.  
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. ~~583~~ 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	



# 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
<b>TOTAL</b>	<b>38</b>

REVISED 12-10-75 RWW

W-412  
W-289

17

CONTROL AREA 1316

G

NOTICE TO PILOTS  
The State of California Fish and Game Code  
prohibits flight below 1000' AGL over  
ANACAPA ISLAND

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

LEGEND:  
Δ HORIZONTAL CONTROL STATION

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

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

15°E

6

SUMMARY TO ACCOMPANY  
DESCRIPTIVE REPORT

TP-00922

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 edited map portrays a portion of shoreline along the California Coast from Santa Barbara Point to just east of Goleta Point. Also designated are the limits of the inset map (TP-00867) displaying Santa Barbara Harbor.

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 March 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 August 1978 at the Atlantic Marine Center.



## SUMMARY CONTINUED (TP-00922)

Final review was performed at the Atlantic Marine Center in November 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 which will include a major portion of this map.

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-00922

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.

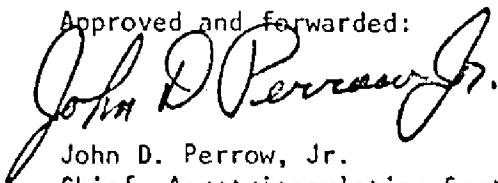
25. Photography

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

Respectfully submitted,

  
Stephen H. Volbeck

Approved and forwarded:

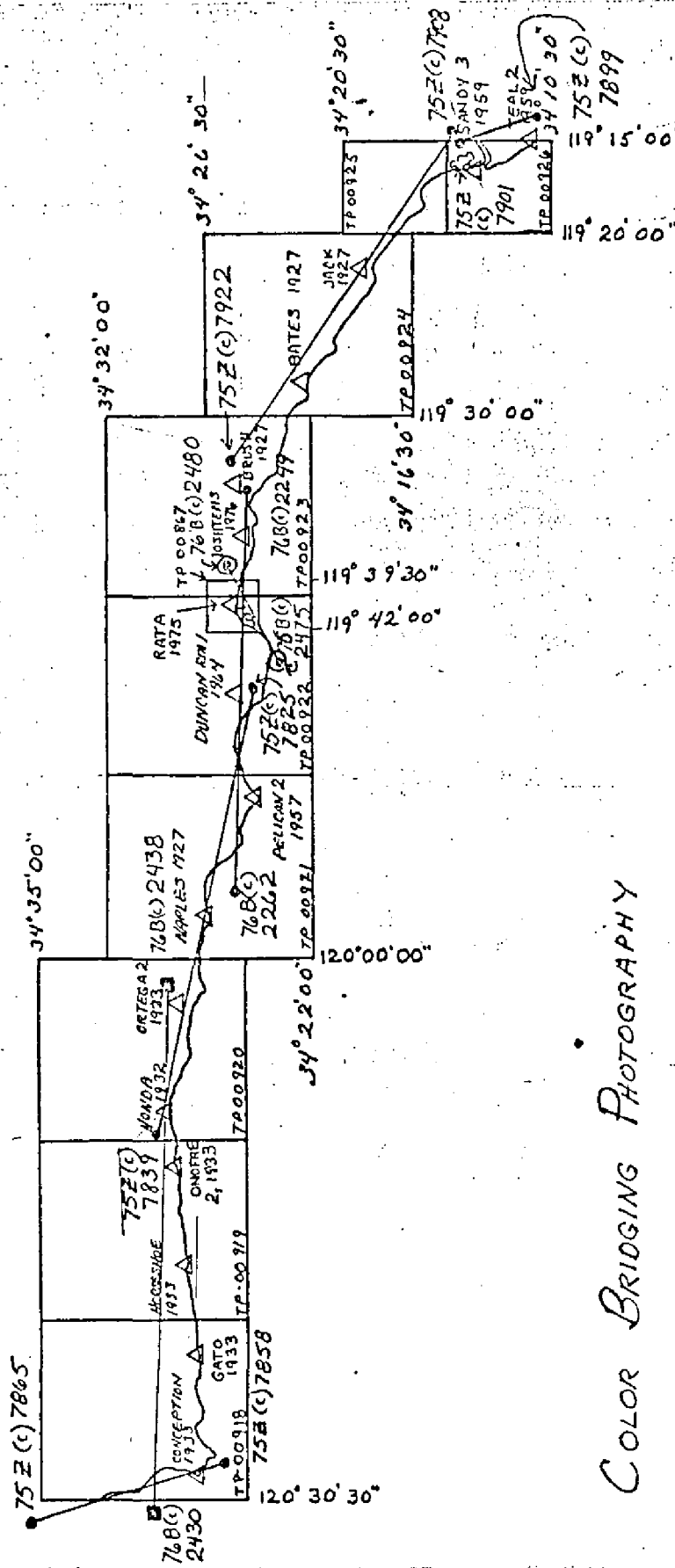
  
John D. Perrow, Jr.  
Chief, Aerotriangulation Section

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.

PO HUENEME TO POINT CONCEPTION, CALIF  
 CH 7509  
 AEROTRIANGULATION SKETCH

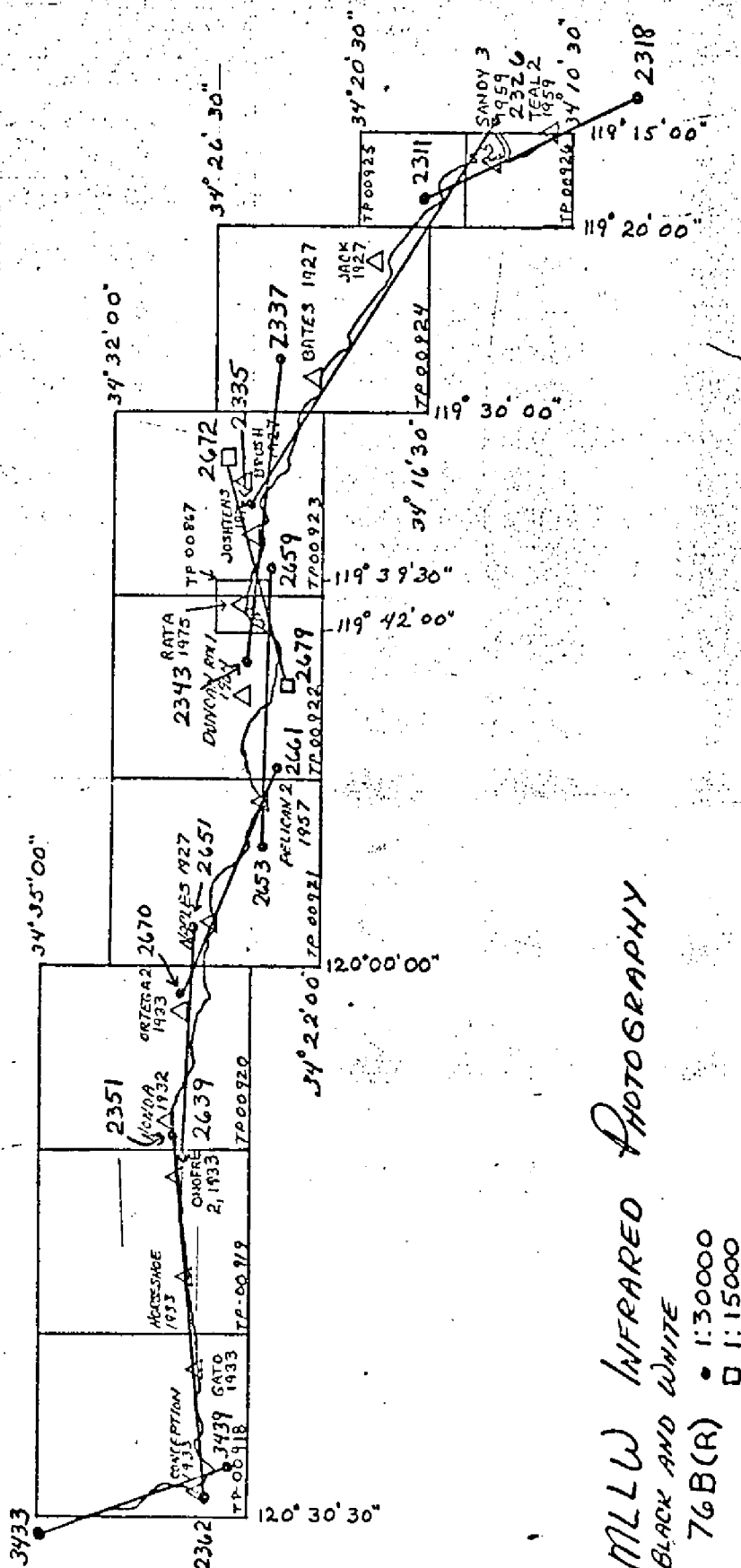


COLOR BRIDGING PHOTOGRAPHY

- 1:60000
- 1:30000
- ⊙ 1:15000



FORT HUENEME TO POINT CONCEPTION, CALIF  
 CH 7509  
 AEROTRIANGULATION SKETCH



MILLW 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 (JOSHTENS, 1976)	- 1.891	- 2.649
	477110 (STENENS WHARF) (LT #4, 1975)	- 1.991	+ .675
	478101 (DATA 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 (KIMS NORTH RADIO) (TOWER 1935)	+ .280	+ .424
	258111 (KIMS SOUTH RADIO) (TOWER 1935)	+ 1.077	+ .079
	259111 (PELICAN 2, 1957)	-	-



NOAA FORM 76-41  
(6-75)U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00922	STATION NAME	JOB NO. CM-7509	GEODETTIC DATUM N.A. 1927		ORIGINATING ACTIVITY Coastal Mapping Unit, AMC		REMARKS FRONT M. BACK M.	
			SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET STATE ZONE	GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		
KTMS, NORTH RADIO TOWER, 1938		341193 Page 1096	258110	X=	φ 34° 25' 07.712"	λ 119° 49' 03.612"	2237.6	1611.2
				Y=			92.2	1440.0
KTMS, SOUTH RADIO TOWER, 1938		Page 1097	258111	X=	φ 34° 25' 03.959"		122.0	1726.8
				Y=	λ 119° 49' 05.268"		134.5	1397.7
WHITE, 1930		Page 1134	56	X=	φ 34° 24' 33.435"		1030.2	818.6
				Y=	λ 119° 45' 39.233"		1002.0	530.3
WHEELER, 1927		Page 1074	60	X=	φ 34° 23' 53.865"		1659.7	1189.1
				Y=	λ 119° 43' 55.485"		1417.33	115.2
SANTA BARBARA LIGHTHOUSE, 1941		341193 Page 1009		X=	φ 34° 23' 46.7726"		1439.8	409.0
				Y=	λ 119° 43' 17.888"		456.9	1075.7
MOSS		341193 Page 1052	65	X=	φ 34° 23' 44.151"		1360.4	488.4
				Y=	λ 119° 42' 32.082"		819.5	713.1
DUNCAN REFERENCE MARK 1, 1964		Page 1033	25611011	X=	1,472,178.96		1806.6	42.2
				Y=	338,045.57		14.0	1518.2
SPOT, 1951		Page 1066	64	X=	φ 34° 24' 33.622"		1036.0	812.8
				Y=	λ 119° 42' 20.142"		514.5	1017.8
SANTA BARBARA VORTAC, 1975		Form 28D Field G.P. Page 1	130	X=	φ 34° 30' 34.346"		1058.3	790.5
				Y=	λ 119° 46' 12.066"		307.8	1222.7
SAINT FRANCIS HOSPITAL CONCRETE STACK, 1927		341193 Page 1114	72	X=	φ 34° 25' 59.60"		1836.5	12.3
				Y=	λ 119° 42' 04.63"		118.2	1413.7
COMPUTED BY A. C. Rauck, Jr.			DATE 8/25/76	COMPUTATION CHECKED BY Lowell O. Neterer, Jr.				
LISTED BY A. C. Rauck, Jr.			DATE 8/25/76	LISTING CHECKED BY Lowell O. Neterer, Jr.				
HAND PLOTTING BY Coradomat			DATE	HAND PLOTTING CHECKED BY J. D. Roderick				

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

NOAA FORM 76-41  
(6-75)NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
U.S. DEPARTMENT OF COMMERCE

## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00922	STATION NAME	JOB NO. CM-7509	GEODETTIC DATUM N.A. 1927		AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS FRONT M. BACK M.
			STATE	ZONE		$\phi$ LATITUDE	$\lambda$ LONGITUDE			
SANTA BARBARA MISSION, SOUTH TOWER, 1862		Page 1122	255110	X=		$\phi$ 34° 26' 17.978"		554.0	1294.8	
				Y=		$\lambda$ 119° 42' 43.841"		1119.3	412.5	
SAINT ANTHONY'S SEMINARY, CROSS ON DOME, 1927		Page 1113	255111	X=		$\phi$ 34° 26' 21.782"		671.2	1177.6	
				Y=		$\lambda$ 119° 42' 52.905"		1350.7	181.1	
BRUSHY, 1951		Page 1020	66	X=		$\phi$ 34° 23' 53.023"		1633.8	215.0	
				Y=		$\lambda$ 119° 42' 07.186"		183.6	1348.9	
SANTA BARBARA, FOX THEATRE, SPIRE, 1933		341193 Page 1116	71	X=		$\phi$ 34° 25' 27.560"		849.2	999.6	
				Y=		$\lambda$ 119° 42' 20.564"		525.1	1007.0	
THOMPSON, 1862		Page 1068	59	X=		$\phi$ 34° 27' 08.837"		272.3	1576.5	
				Y=		$\lambda$ 119° 44' 04.926"		125.7	1405.9	
SANTA BARBARA, 1956		Page 1004	63	X=		$\phi$ 34° 24' 14.9276"		460.0	1388.8	
				Y=		$\lambda$ 119° 42' 53.9764"		1378.6	153.8	
				X=		$\phi$				
				Y=		$\lambda$				
				X=		$\phi$				
				Y=		$\lambda$				
				X=		$\phi$				
				Y=		$\lambda$				
				X=		$\phi$				
				Y=		$\lambda$				
COMPUTED BY				COMPUTATION CHECKED BY				DATE		
LISTED BY				LISTING CHECKED BY				DATE		
HAND PLOTTING BY				HAND PLOTTING CHECKED BY				DATE		

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

## COMPILATION REPORT

TP-00922

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 ratios 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 - CONTROLS

Horizontal control was adequate. Refer to the attached Photogrammetric Plot Report, dated June 1976.

33 - SUPPLEMENTAL DATA

A comparison was made with T.S. 4858, H.S. 5464, H.S. 5502, dated 1933 for the purpose of calling attention of the hydrographer items to be investigated.

34 - CONTOURS AND DRAINAGE

Contours are not applicable to the project. Drainage was delineated 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 line was graphically delineated from the infrared ratio photographs.

36 - OFFSHORE DETAILS

Rocks and a sewage pipeline were delineated by the stereoplotter. Offshore Kelp limits were delineated from the mean lower low water infrared ratios.

TP-00922

37 - LANDMARKS AND AIDS

Within the limits of the manuscript, there were four charted landmarks and one charted aid. All features have geodetic positions and were verified from the photographs.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

Refer to the Data Record Form 76-36B, item Number 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: Goleta, CA., scale 1:24,000, dated 1950, photo revised 1967. Santa Barbara, CA., scale 1:24,000, dated 1952, photo revised 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; No. 18725, scale 1:50,000, dated November 1, 1975, 14th edition; No. 18721, scale 1:10,000, dated October 25, 1975, 4th edition.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY

None.

ITEMS TO BE CARRIED FORWARD

None.

Approved,

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

Submitted by,

*Irene K. Perkinson*  
Irene K. Perkinson  
Cartographic Technician  
Date: December 1976

## ADDENDUM TO THE COMPILATION REPORT

TP-00922

FIELD EDIT

Field edit was accomplished in March 1978 in conjunction with the hydrographic survey assigned to NOAA Ship FAIRWEATHER.

Many alongshore rocks were located by raydist electronic positioning methods and were submitted as field edit data. This hydrographic data was compiled on the shoreline map with reservations because verification could not be obtained.

A position for the offshore end of the submerged outfall at Goleta Pier was submitted without proper documentation. However, a faint line which appears on the MLLW infrared photograph agrees with the alignment from shore as it extends seaward.

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-00922

LANDMARKS

The geographic positions of SAINT ANTHONYS SEMINARY, CROSS ON DOME, 1927 and SANTA BARBARA MISSION SOUTH TOWER, 1862 were not determined. Neither is of landmark value and both should be deleted from the chart.

The spire of the Santa Barbara Fox Theater is no longer lighted and is of little landmark value. It should also be deleted from the chart.

ABSTRACT OF POSITIONS  
TP-00922

Number	Geographic position	Description
87-18	34° 23' 40.5" 119° 42' 23.6"	Rock awash
87-19	34° 23' 39.7" 119° 42' 27.7"	Rock awash
87-20	34° 23' 40.3" 119° 42' 38.8"	Rock bares 1 ft
87-21	34° 23' 39.2" 119° 42' 39.8"	Rock subm 4 ft
87-22	34° 23' 42.9" 119° 42' 57.3"	Rock bares 1 ft
87-23	34° 23' 40.0" 119° 43' 14.6"	Rock subm 4 ft
87-24	34° 23' 24.1" 119° 43' 41.2" 24.1	Rock bares 2 ft
87-25	34° 23' 41.9" 119° 43' 31.0"	Rock bares 1 ft
87-26	34° 23' 42.2" 119° 43' 37.4"	Rock bares 3 ft
87-27	34° 23' 41.9" 119° 43' 39.8"	Rock bares 5 ft
87-28	reject	
87-29	34° 23' 47.6" 119° 43' 54.3"	Rock bares 1 ft
87-30	34° 23' 53.1" 119° 44' 08.0"	Rock bares 2 ft
87-31	34° 24' 08.7" 119° 44' 54.1"	Rock awash
87-32	34° 24' 08.9" 119° 44' 54.8"	Rock bares 3 ft
87-33	34° 24' 07.3" 119° 45' 03.1"	Rock bares 2 ft



Number	Geographic position	Description
87-34	34° 24' 13.3" 119° 45' 12.6"	Rock bares 3 ft
87-35	34° 24' 21.3" 119° 45' 34.1"	Rock awash
87-36	34° 24' 30.6" 119° 45' 56.0"	Rock bares 2 ft
87-37	34° 24' 31.2" 119° 45' 56.6"	Rock bares 3 ft
87-38	34° 24' 36.4" 119° 46' 13.9"	Rock bares 5 ft
87-39	34° 24' 37.2" 119° 46' 13.9"	Rock bares 1 ft
87-40	reject	
87-41	34° 24' 57.4" 119° 47' 34.2"	Rock awash
87-42	reject	
87-43	34° 25' 02.9" 119° 47' 49.4"	Rock bares 1 ft
87-44	34° 25' 03.1" 119° 47' 52.4"	Rock bares 2 ft
87-45	34° 24' 59.3" 119° 48' 11.0"	Rock bares 2 ft
87-46	34° 24' 58.1" 119° 48' 11.2"	Rock awash
87-47	34° 24' 56.4" 119° 48' 15.6"	Rock awash
87-48	34° 24' 55.2" 119° 48' 21.8"	Rock awash
87-49	34° 25' 00.8" 119° 48' 54.7"	Piling on beach, 1 ft high -
87-50	34° 25' 00.6" 119° 49' 00.6"	Piling on beach, 1 ft high

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-00922  
SHORELINE

61. GENERAL STATEMENTS

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 1:24,000 scale U.S.G.S. Quadrangles: Goleta, CA., 1950, photorevised 1967; Santa Barbara, CA., 1952, photorevised 1967.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with hydrographic survey H-9752, verified July 1979, 1:20,000 scale. This survey is common only to the eastern portion of the map beginning at Longitude  $119^{\circ}42.8'$ .

Contemporary (1978) hydrographic activity was accomplished for a portion of the shoreline common to this mapping project. The hydrographic surveys began at Longitude  $119^{\circ}42.8'$  and extended easterly along the shoreline which captures only the eastern half of this coastal project, beginning at Santa Barbara Point (TP-00922 and inset map TP-00867). Hydrographic development along the western shoreline has been proposed to resume in 1984.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with the following NOS charts: 18725, 1:150,000 scale, 19th edition, dated July 10, 1982; and 18721, 1:10,000 scale, 7th edition, dated January 30, 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. Barnes*  
Chief, Photogrammetric Section, Rockville

*San George W. Barnes*  
Chief, Photogrammetry Branch

November 23, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00922

Arroyo Burro

Atascadero Creek

Hope Ranch

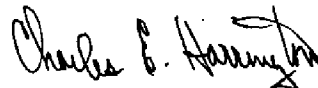
Pacific Ocean

Santa Barbara

Santa Barbara Channel

Santa Barbara Point

Approved by:



Charles E. Harrington  
Chief Geographer  
Nautical Charting Division

Replaces C&amp;GS Form 567.

## NON-LOADING AIDS OR LANDMARKS FOR CHARTS

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

**ORIGINATING ACTIVITY**

- ☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH
- (See reverse for responsible personnel)

<input checked="" type="checkbox"/> TO BE CHARTED <input type="checkbox"/> TO BE REVISED <input type="checkbox"/> 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	Aug. 1978

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

QPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER
411	CM-7509	TP-00922

DATUM	N.A. 1927
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 METHOD AND DATE OF LOCATION |

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

U. R. TOWER	(KTMS, North Radio Tower, 11938)
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R. TOWER	(KTMS, South Radio Tower, 1938)
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RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<i>B. Williams</i>
POSITIONS DETERMINED AND/OR VERIFIED	<i>B. Williams</i>
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	<i>F. Margotta</i>
ACTIVITIES	<i>J. Harack (Nov 83)</i>
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>III. 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.	



RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<i>B. Williams</i>
POSITIONS DETERMINED AND/OR VERIFIED	<i>B. Williams</i>
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	<i>F. Margotta</i>
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
<i>J. Hancock (Nov 83)</i>	
(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 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>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>	
<b>*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.</b>	



Replaces C&amp;GS Form 567.

## NONFLOATING AIDS OR LANDMARKS FOR CHARTS

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

## ORIGINATING ACTIVITY

- ☐ HYDROGRAPHIC PARTY  
☐ GEODETIC PARTY  
☐ PHOTO FIELD PARTY  
☒ COMPILATION ACTIVITY  
☐ FINAL REVIEWER  
☐ QUALITY CONTROL & REVIEW GRP.  
☐ COAST PILOT BRANCH  
(See reverse for responsible personnel)

DATE  
Aug. 1978LOCALITY  
Port Hueneme to Point  
ConceptionSTATE  
CaliforniaREPORTING UNIT  
(Field Party, Ship or Office)  
Coastal Mapping Unit,  
AMC, Norfolk, VAThe following objects HAVE ☒ BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.

OPR PROJECT NO.

JOB NUMBER

SURVEY NUMBER

DATUM

411

CM-7509

TP-00922

N.A. 1927

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

## POSITION

LATITUDE  
° / ' " D.M. MetersLONGITUDE  
° / ' " D.P. Meters

FIELD

CHARTS  
AFFECTEDDESCRIPTION  
(Record reason for deletion of landmark or aid to navigation.  
Show triangulation station names, where applicable, in parentheses.)LIGHTED  
SPIRE(Santa Barbara Fox Theatre, Spire,  
1933) Not of landmark value34 25 27.560  
849.2119 42 20.564  
525.176B(C) 2254  
Mar. 12, 1976Triang. Rec.  
March 1978SEMINARY  
SPIRE(Saint Anthony's Seminary Cross on  
Dome, 1927) Not of landmark value34 36 21.782  
671.2119 42 52.905  
1350.776B(C) 2254  
Mar. 12, 1978Triang. Rec.  
March 1978

18725

19725

RESPONSIBLE PERSONNEL	
TYPE OF ACTION	NAME
OBJECTS INSPECTED FROM SEAWARD	<i>B. Williams</i>
POSITIONS DETERMINED AND/OR VERIFIED	<i>B. Williams</i>
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW	<i>F. Margotcha</i>
ACTIVITIES	<i>J. Hancock (Nov. 83)</i>
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>III. 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>II. 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.	

