

TP 00867

TP 00867

NOAA FORM 76-35 (3-76) U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
<h2 style="text-align: center;">DESCRIPTIVE REPORT</h2>	
<i>Map No.</i> TP-00867	<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	
<h3 style="text-align: center;">LOCALITY</h3>	
<i>State</i> CALIFORNIA	
<i>General Locality</i> PORT HUENEME TO POINT CONCEPTION	
<i>Locality</i> SANTA BARBARA	
<div style="border: 1px solid black; padding: 5px; text-align: center;"> 19 75 TO 19 78 </div>	
<h3 style="text-align: center;">REGISTRY IN ARCHIVES</h3>	
<i>DATE</i>	

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. 00867 MAP EDITION NO. (1) MAP CLASS FINAL JOB PH 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 August 11, 1975 Premarking-Supp. III 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 1:5,000				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: Cordamat CHECKED BY				H. Jones		July 1976	
				H. Jones		July 1976	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY				C. Blood		Oct. 1976	
INSTRUMENT: Wild B-8				J. Byrd, Jr., L. Neterer			
SCALE: 1:5,000				N.A.			
				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				J. Hancock		Oct. 1976	
				Frank Margiotta		Oct. 1976	
METHOD: Smooth drafted and graphic				N.A.			
SCALE: 1:5,000				N.A.			
HYDRO SUPPORT DATA BY				J. Hancock		Oct. 1976	
				Frank Margiotta		Oct. 1976	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				Frank Margiotta		Nov. 1976	
6. APPLICATION OF FIELD EDIT DATA BY				F. Mauldini		Aug. 1978	
				F. Margiotta		Sept. 1978	
7. COMPILATION SECTION REVIEW BY				F. Margiotta		Sept. 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. Kornegay		May 1984	

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

TP-00867

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-10 "B"; "B" = 152.74mm		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES # <input checked="" type="checkbox"/> REFERENCE STATION RECORDS *, ** <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY		(C) COLOR (P) PANCHROMATIC (I) INFRARED		ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
76B(C) 2475 - 2480#	Mar 13, 1976	13:44	1:15,000	0.6 ft. below M.L.L.W.	
76B(I) 2798 - 2802*	Mar 15, 1976	10:20	1:15,000	±0.02 ft. below M.H.W.	
76B(I) 2674 - 2677**	Mar 14, 1976	13:22	1:15,000	±0.02 ft. below 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:

*Tide M.H.W. line was compiled graphically from the above listed tide coordinated infrared photography.

Ratio value for photos 2797 - 2802 = 3.052

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 2672 - 2677 = 2.939

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 TP-00922	EAST TP-00923	SOUTH TP-00922	WEST TP-00922
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REMARKS

This inset map lies within the central area of junctions of TP-00922 and TP-00923.

TP-00867

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 L. Riggers and R. Melby	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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
75Z(C)7817 76B(C)2254	RATA, 1975 (PREMARKED DIRECT IN 1975 AND 1976) (Station established in 1975)		

3. PHOTO NUMBERS (Clarification of details)

None

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ 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, 1 Form 76-109, 2 C&GS Forms 277 (tide level books) for project

TP-00867

HISTORY OF FIELD OPERATIONS

1. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

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

None

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

Field edit print (film) 1 Form 76-109
 Field edit report
 76-40's (2)

NOAA FORM 76-36D
(3-72)

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

TP-00867

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	Oct. 1976	Class III manuscript SUPERSEDED	Nov. 1976	Nov. 1976
Field edit applied. Compilation complete.	Aug. 1978	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**

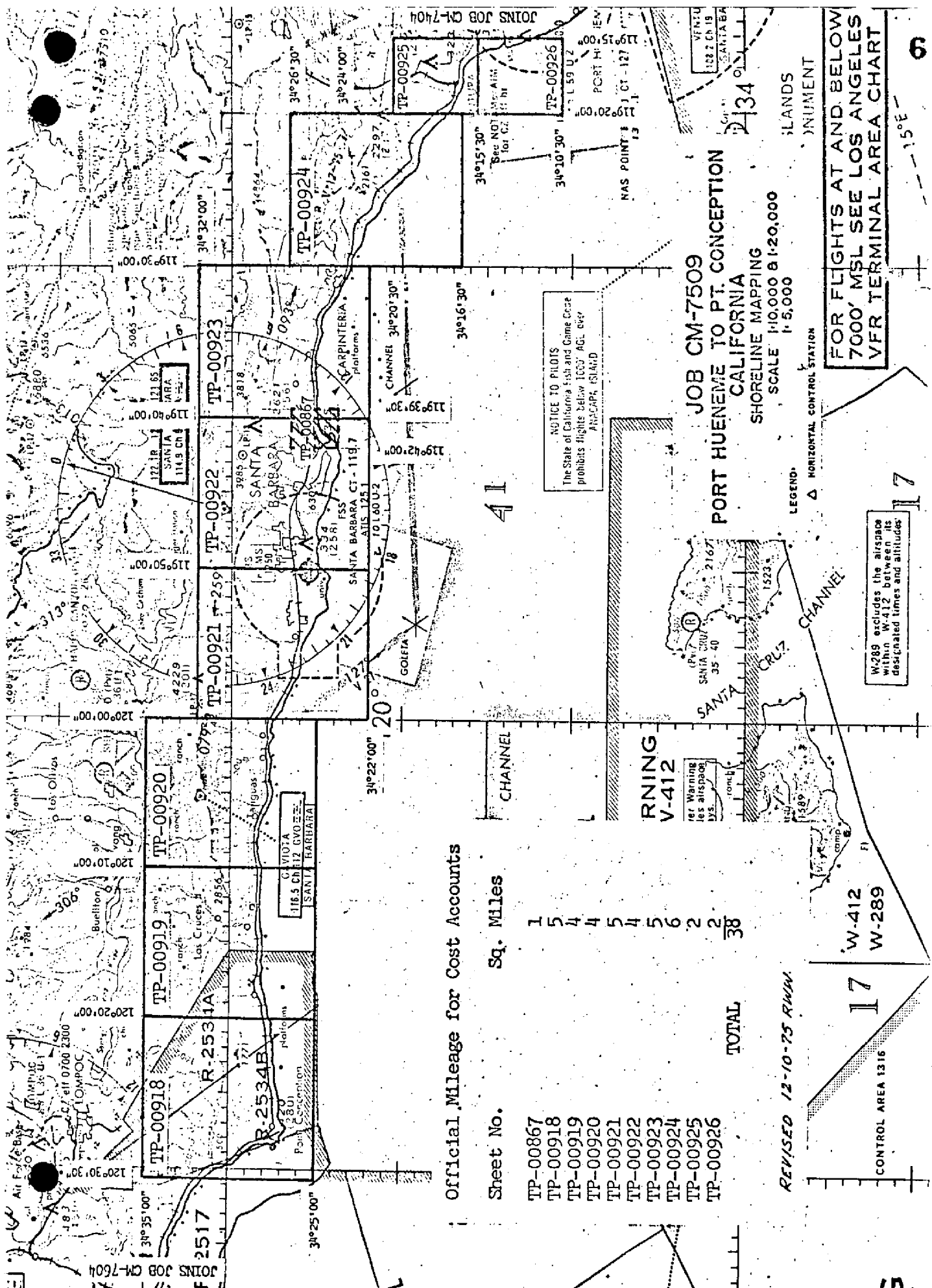
PAGES XXXXXX	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
4		Sept. 1978	Landmark and Aids for charts.
3			Landmarks and Aids for Charts

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____**III. FEDERAL RECORDS CENTER DATA**

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS ~~XXX~~ 76-40 SUBMITTED BY FIELD PARTIES.
3. ☒ SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C.
ACCOUNT FOR EXCEPTIONS:

4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: MARCH 1984**IV. SURVEY EDITIONS** (This section shall be completed each time a new map edition is registered)

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
TOTAL	38

REVISED 12-10-75 RWN

W-412
W-289

17

CONTROL AREA 1316

JOB CM-7509
PORT HUENEME TO PT. CONCEPTION
CALIFORNIA
SHORELINE MAPPING
SCALE 1:10,000 & 1:20,000

LEGEND:
Δ HORIZONTAL CONTROL STATION

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

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

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

15°

17

6

7

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00867

This 1:5,000 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 maps (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 inset map is an enlargement portrayal of the shoreline from Santa Barbara Harbor to East Beach. The map lies within the central area of the junction of TP-00922 and TP-00923.

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 infrared 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 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-9751 in March 1978 by personnel aboard the NOAA Ship FAIRWEATHER. Application of field edit was accomplished in September 1978 at the Atlantic Marine Center.

SUMMARY CONTINUED (TP-00867)

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 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-00867

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.

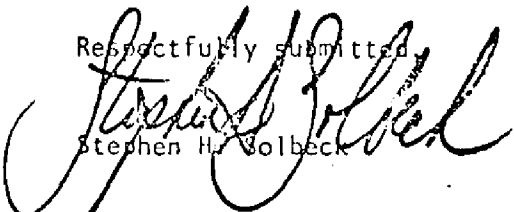
24. Supplemental Data

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

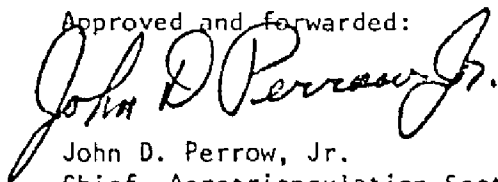
25. Photography

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.

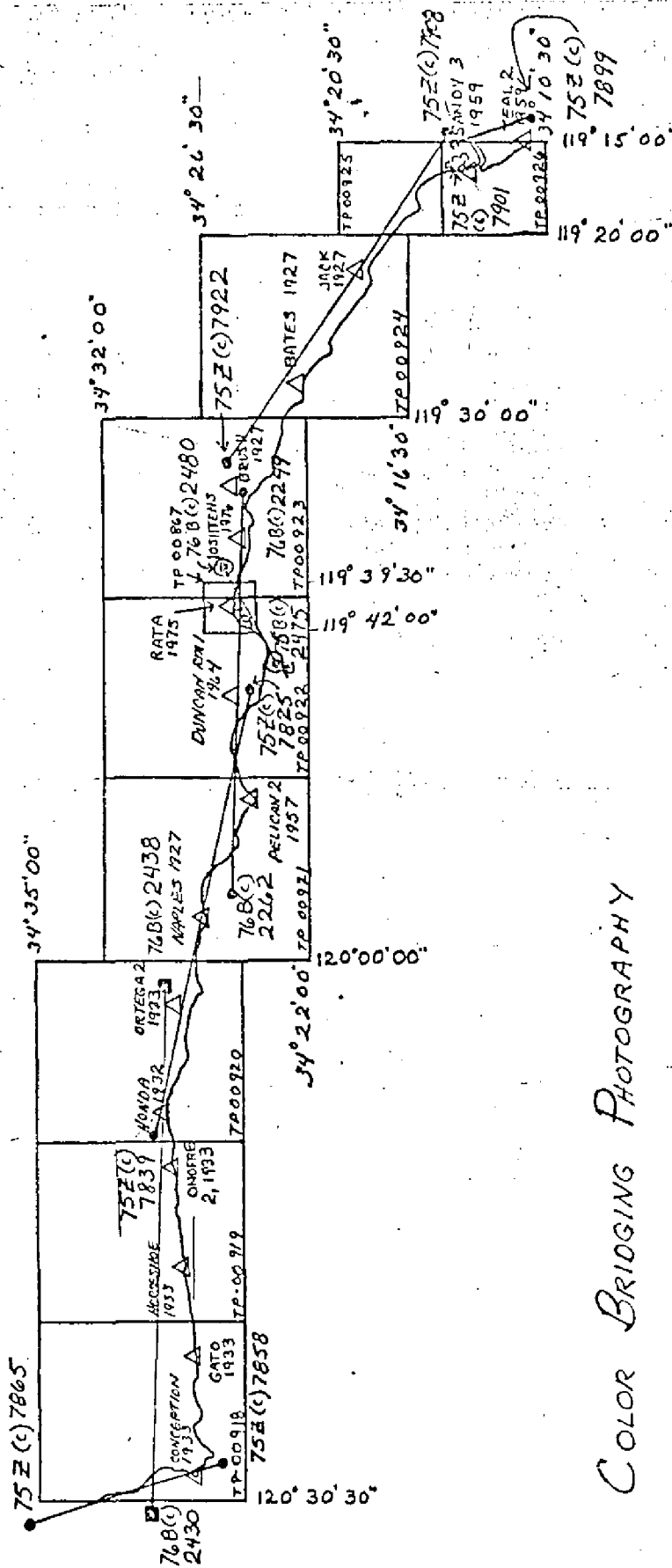
Chief, Aerotriangulation Section

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

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)	+ .054	- .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 (JOSHENS, 1976)	- 1.891	- 2.649
	477110 (STENENS WHARF) (LT #4, 1975)	- 1.991	+ .075
	478101 (RATA 1975) (SUB PT)	- 21.316	+ .050
	254110 (JEFFERSON SCHOOL) (TOWER, 1933)	- 4.615	- 8.326
	255110 (SANTA BARBARA MISSION) (SOUTH TOWER 1862)	- 2.027	+ 2.520
	255111 (ST ANTHONY'S SEMINARY) (CROSS ON CORNER, 1927)	+ 1.472	- 1.647
	256101 (DUNCAN REFERENCE) (MARK #1, 1964)	+ 1.076	+ 1.034
	258110 (KIMS NORTH RADIO) (TOWER 1935)	+ .280	+ .424
	258111 (KIMS SOUTH RADIO) (TOWER 1935)	+ 1.077	+ .079
	(PELICAN 2, 1957)		

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00867	STATION NAME	JOB NO. CM-7509	GEODETTIC DATUM N.A. 1927		AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET STATE California ZONE 5		GEOGRAPHIC POSITION ϕ LATITUDE λ LONGITUDE		ORIGINATING ACTIVITY Coastal Mapping Unit, AMC		REMARKS FRONT M. BACK M.
			X=	Y=			X=	Y=	FRONT M.	BACK M.			
	SANTA BARBARA HARBOR BREAKWATER LIGHT, 1975	Form 28D Field G.P. Page 1	477111				X=	ϕ 34°24'17.421"	λ 119°41'12.742"			536.8	1312.0
	DIBBLEE 3, 1964	341193 1030 1	67			X=	ϕ 34°24'18.712"	λ 119°41'38.963"				576.6	1272.2
	ARMORY, 1951	341193 1012	68			X=	ϕ 34°24'12.646"	λ 119°41'33.912"				389.7	1459.1
	STEARNS WHARF LIGHT 4, 1975	Form 28D Field G.P. Page 1	477111			X=	ϕ 34°24'28.946"	λ 119°41'02.808"				866.1	666.3
	SANTA BARBARA HARBOR GROIN LIGHT, 1975	Form 28D Field G.P. Page 1	254111			X=	ϕ 34°24'25.366"	λ 119°41'23.843"				891.9	956.9
	CABRILLO PAVILLION CHIMNEY, 1927	341193 1083	75			X=	ϕ 34°25'01.508"	λ 119°40'04.384"				71.7	1460.7
	MONTE, 1933	341193 1100	75			X=	ϕ 34°25'04.034"	λ 119°40'03.422"				124.3	1724.4
	CLARK, 1933	341193 1088	76			X=	ϕ 34°25'10.853"	λ 119°39'47.233"				87.4	1444.8
	SANTA BARBARA, RADIO STATION KOB, MAST, 1975	Form 28D Field G.P. Page 1	128			X=	ϕ 34°25'07.631"	λ 119°41'09.589"				334.4	1514.4
	SANTA BARBARA RADIO STATION KKIO, MAST, 1975	Form 28D Field G.P. Page 1	137			X=	ϕ 34°24'58.964"	λ 119°41'06.739"				1206.1	326.1
COMPUTED BY A. C. Rauck, Jr.			8/25/76			COMPUTATION CHECKED BY Lowell O. Neterer, Jr.						235.1	1613.7
LISTED BY A. C. Rauck, Jr.			8/20/76			LISTING CHECKED BY Lowell O. Neterer, Jr.						244.9	1287.3
HAND PLOTTING BY						HAND PLOTTING CHECKED BY						1816.9	31.9
												172.1	1360.1
												DATE 8/26/76	
												DATE 8/25/76	
												DATE	

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

NOAA FORM 76-41 (5-75)		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				
DESCRIPTIVE REPORT CONTROL RECORD						
MAP NO.	JOB NO.	GEODEIC DATUM		ORIGINATING ACTIVITY		
TP-00867	CM-7509	N.A. 1927		Coastal Mapping Unit, AMC		
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRIANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION	REMARKS
			STATE	ZONE	ϕ LATITUDE λ LONGITUDE	FRONT M. BACK M.
SANTA BARBARA RADIO STATION KIST, MAST, 1975	Form 28D Field G.P. Page 1	129			ϕ 34° 25' 09.268" ✓ λ 119° 41' 54.522" ✓	285.6 1563.2 1392.3 139.9
RATA, 1975*	Position from Bridge, Form 76-41	478101			ϕ λ	
					ϕ λ	
					ϕ λ	
*Position would not hold in bridging. Bridge position dropped from adjustment	Page 1 of 18 (See Photo Plot Report)				ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
					ϕ λ	
COMPUTED BY		DATE	COMPUTATION CHECKED BY		DATE	
LISTED BY		DATE	LISTING CHECKED BY		DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY		DATE	

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

COMPILATION REPORT

TP-00867

31 - DELINEATION

Delineation was accomplished using stereo instrument and graphic compilation methods. The 1:15,000 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 1:15,000 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 - CONTROL

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

33 - SUPPLEMENTAL DATA

A comparison was made with Topo Survey 4848, 1:5,000 scale, dated 1933, for the purpose of calling attention to the hydrographer for 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 were graphically delineated from the infrared ratio photographs.

36 - OFFSHORE DETAILS

A sewer pipeline should be properly identified on the existing photography during field edit as Chart No. 8725 shows 2 pipelines (one under construction) leading offshore.

TP-00867

37 - LANDMARKS AND AIDS

Within the limits of this manuscript, there were six landmarks and eight aids to be charted. Five landmarks were photogrammetrically located and one landmark not visible. Three aids were photogrammetrically located and four aids not visible.

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 Quadrangle: Santa Barbara, 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.

Approved,
A. C. Rauck, Jr.

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

Submitted by,

Jerry L. Hancock

Jerry L. Hancock
Cartographic Technician
October 1976

ADDENDUM TO THE COMPILATION REPORT

TP-00867

FIELD EDIT

Field edit was accomplished in March 1978 in conjunction with the hydrographic survey assigned to NOAA Ship FAIRWEATHER. All field data was performed on the film field edit print and in the Horizontal Field Volume.

No data was submitted for the 4 charted measured mile markers. The kelp limit was retained although this was not field verified.

No information was submitted for the abandoned sewer pipeline.

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-00867

METHOD

The measured mile range markers were located by horizontal control methods. The pilings off the spit at the entrance to the marina were located by taping distances from measured points along the wooden bulkhead, which is not completely visible on the photographs.

The shoreline of the spit was determined in a similar manner. The shoreline across the entrance from the spit was estimated. Both were noted to change by several meters within a month. Any attempt to accurately delineate the shoreline of either area would be pointless.

LANDMARKS

JEFFERSON SCHOOL TOWER, 1933 is not of significant landmark value from seaward and should be deleted from the chart.

MISCELLANEOUS

The sewage outfall shown is a recent addition. The abandoned outfall still exists but no new information on its position was available. It is recommended that the charted position be retained. The new outfall was detected by the hydrographic launches and the information gathered by them was used in determining its direction from shore.

The east rear marker of the measured mile range has been bent considerably. None of the markers are visible much more than a mile from shore due to their state of disrepair. It is, however, recommended that they be retained on the chart.

ABSTRACT OF POSITIONS
TP-00867

Number	Geographic position	Description
87-01	34° 24' 25.3" 119° 41' 08.2"	Wooden wreck bares 1.5 ft
87-02	34° 24' 59.8" 119° 39' 42.1"	Seaward end of metal groin bares 0.5 ft
87-51		End of metal boxes in line from breakwater light
87-52	34° 24' 21.3" 119° 41' 12.0"	Piling
87-52	34° 24' 23.7" 119° 41' 11.9"	Piling
87-52	34° 24' 24.1" 119° 41' 12.2"	Piling

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-00867

SHORELINE

61. GENERAL STATEMENT

Refer to the Summary included in this Descriptive Report.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

A comparison was made with Topographic Survey No. 4848, 1:5,000 scale, March/April 1933.

63. COMPARISON WITH MAPS OF OTHER AGENCIES

A comparison was made with U.S.G.S. Quadrangle: Santa Barbara, CA, 1:24,000 scale, dated 1952, photorevised 1967.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with contemporary hydrographic survey H-9751, verified May 1979, 1:5,000 scale. No discrepancies were noted.

Field edit for this shoreline map was performed in conjunction with the hydrographic survey.

65. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with N.O.S. Chart 18725, 1:50,000 scale (inset 1:12,500 scale), 19th edition, dated July 10, 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.

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Submitted by,

Jerry L. Hancock

Jerry L. Hancock

Final Reviewer

Approved,

Gary L. Barnes

Chief, Photogrammetric Section, Rockville

Gary L. Barnes

Chief, Photogrammetry Branch

HYDROGRAPHIC NAME SHEET

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00867

^{GAH}
Andrea Clark Bird Refuge

East Beach

Mission Creek

Pacific Ocean

Point Castillo

Santa Barbara

Santa Barbara Channel

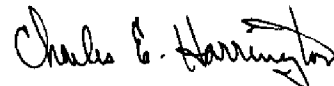
Santa Barbara Harbor

Stearns Wharf

Sycamore Creek

West Beach

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NON-FLOATING AIDS OR LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY									
										<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)									
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE				METHOD AND DATE OF LOCATION (See instructions on reverse side)					CHARTS AFFECTED				
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		Coastal Mapping Unit AMC, Norfolk, VA		California		Port Hueneme to Point Conception		Aug. 1978											
The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.		JOB NUMBER		SURVEY NUMBER		DATUM		POSITION											
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		POSITION											
411		CM-7509		TP-00867		N.A. 1927													
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)		LATITUDE		LONGITUDE		D.P. Meters		OFFICE					FIELD				
				° / ' "		° / ' "		D.P. Meters											
CUPOLA	(Monte, 1933)	34 25	04.034	119 40	03.422	87.4	76 B(I) 2799	V-5-Vis Triang. Rec. March 1978	18720 18725										
RADIO TOWER	(Santa Barbara, Radio Station KDB, Mast, 1975)	34 25	07.631	119 41	09.589	244.9	76 B(I) 2800	"	"										
RADIO TOWER	(Santa Barbara, Radio Station KKIO, Mast, 1975)	34 24	58.964	119 41	06.739	172.1	"	"	"										
RADIO TOWER	(Santa Barbara, Radio Station KIST, Mast, 1975)	34 25	09.268	119 41	54.522	1392.3	76 B(I) 2801	"	"										

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

NOAA FORM 76-40 (8-74)				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
Replaces C&GS Form 567.				NONFLOATING AIDS OR LANDMARKS FOR CHARTS				<input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> PHOTO FIELD PARTY <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH (See reverse for responsible personnel)			
REPORTING UNIT (Field Party, Ship or Office)		STATE		LOCALITY		DATE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED	
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		Coastal Mapping Unit, AMC, Norfolk, VA		California		Port Hueneme to Point Conception		Aug. 1978			
The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks.		SURVEY NUMBER		DATUM		POSITION		OFFICE		FIELD	
OPR PROJECT NO.		JOB NUMBER		LATITUDE		LONGITUDE					
411		CM-7509		N.A. 1927							
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		LATITUDE ° / ' " D.M. Meters		LONGITUDE ° / ' " D.P. Meters					
LIGHT	Santa Barbara Harbor Breakwater Light (Santa Barbara Harbor Breakwater Light 1975)	34 24	17.421 536.8	119 41	12.742 325.4			76 B(I) 2800 March 15, 1976	V-5-Vis March 1978	18720 18725	
LIGHT	Santa Barbara Harbor Light 4 (Stearns Wharf Light 4, 1975)	34 24	28.946 891.9	119 41	02.808 71.7			"	"	"	
LIGHT	Santa Barbara Harbor Light 12 (Santa Barbara Harbor Groin Light, 1975)	34 24	25.366 781.6	119 41	23.843 609.0			"	"	"	
MARKER	Measured Nautical Mile Front Marker - East End	34 25.1		119 39.7				Not located or verified by field editor		"	
MARKER	Measured Nautical Mile Rear Marker - East End	34 25.1		119 39.7				"	"	"	
MARKER	Measured Nautical Mile Front Marker - West End.	34 24.9		119 40.7				"	"	"	
MARKER	Measured Nautical Mile Rear Marker - West End	34 24.9		119 40.9				"	"	"	
RADIO BEACON	Santa Barbara 294 KHz	34 24.4		119 41.6				"	"	"	

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. Mauldin</i>
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'	
<i>J. Hancock (Nov 83)</i>	
<i>(Consult Photogrammetric Instructions No. 64)</i>	
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75	FIELD (Cont'd) B. Photogrammetric field positions** require entry of method of location or verification, date of field work and number of the photograph used to locate or identify the object. EXAMPLE: P-8-V 8-12-75 74L(C)2982
FIELD I. NEW POSITION DETERMINED OR VERIFIED Enter the applicable data by symbols as follows: F - Field L - Located V - Verified 1 - Triangulation 2 - Traverse 3 - Intersection 4 - Resection P - Photogrammetric Vis - Visually 5 - Field identified 6 - Theodolite 7 - Planetable 8 - Sextant A. Field positions* require entry of method of location and date of field work. EXAMPLE: F-2-6-L 8-12-75	II. TRIANGULATION STATION RECOVERED When a landmark or aid which is also a triangulation station is recovered, enter 'Triang. Rec.' with date of recovery. EXAMPLE: Triang. Rec. 8-12-75 III. POSITION VERIFIED VISUALLY ON PHOTOGRAPH Enter 'V-Vis.' and date. EXAMPLE: V-Vis. 8-12-75 **PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.
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Replaces C&GS Form 567.

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

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

- ☐ HYDROGRAPHIC PARTY
☐ GEODETIC PARTY
☐ PHOTO FIELD PARTY
☒ COMPILATION ACTIVITY
☐ FINAL REVIEWER
☐ QUALITY CONTROL & REVIEW GRP.
☐ COAST PILOT BRANCH

<input type="checkbox"/> TO BE CHARTED	REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE	<input type="checkbox"/> ... <input checked="" type="checkbox"/> COMPILATION ACTIVITY <input type="checkbox"/> FINAL REVIEWER <input type="checkbox"/> QUALITY CONTROL & REVIEW GRP. <input type="checkbox"/> COAST PILOT BRANCH
<input type="checkbox"/> TO BE REVISED	Coastal Mapping Unit, AMC, Norfolk, VA	California	Port Hueneme to Point Conception	Aug. 1978	
<input checked="" type="checkbox"/> TO BE DELETED	The following objects HAVE <input checked="" type="checkbox"/> HAVE NOT <input type="checkbox"/> been inspected from seaward to determine their value as landmarks. (See reverse for responsible personnel!)				

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

OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM	METHOD AND DATE OF LOCATION (See instructions on reverse side)	CHARTS
411	CM-7509	TP-00867	N.A. 1927 POSITION		

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

CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE		OFFICE	FIELD	AFFECTED
		°	'	°	'			
		°	'	°	'	D.M. Meters	D.P. Meters	

SIGNAL, MAST	Does Not Exist				Does not exist	18720 18725
	34 24.3		119 41.5			

SCHOOL	(Jefferson School Tower, 1933)	34 26	13.367	119 41	38.300	V-5-Vis
CUPOLA	Not of landmark value. Cannot be seen from seaward		411.9	977.9		Triang. Rec. March 1978
						"

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

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