

TP 00924

TP 00924

NOAA FORM 76-35 (3-76)	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY	
DESCRIPTIVE REPORT	
Map No. TP-00924	Edition No. 1
Job No. CM-7509	
Map Classification FINAL FIELD EDITED MAP	
Type of Survey SHORELINE	
LOCALITY	
State CALIFORNIA	
General Locality PORT HUENEME TO POINT CONCEPTION	
Locality PITAS POINT	
1975 TO 19 77	
REGISTRY IN ARCHIVES	
DATE	

NOAA FORM 76-36A (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMIN.		TYPE OF SURVEY		SURVEY TP. 00924	
DESCRIPTIVE REPORT - DATA RECORD				<input checked="" type="checkbox"/> ORIGINAL		MAP EDITION NO. (1)	
				<input type="checkbox"/> RESURVEY		MAP CLASS FINAL	
				<input type="checkbox"/> REVISED		JOB XXXX CM-7509	
PHOTOGRAMMETRIC OFFICE				LAST PRECEDING MAP EDITION			
Coastal Mapping Unit, Norfolk, VA				TYPE OF SURVEY		JOB PH. I	
OFFICER-IN-CHARGE				<input type="checkbox"/> ORIGINAL		MAP CLASS I	
Jeffrey G. Carlen, CDR				<input type="checkbox"/> RESURVEY		SURVEY DATES:	
				<input type="checkbox"/> REVISED		19__ TO 19__	
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation June 9, 1976				Premarking August 11, 1975			
Compilation June 8, 1976				Premarking-Supp. I January 7, 1976			
Amendment I July 21, 1976							
Amendment II Oct. 29, 1976							
Review and Registration July 10, 1980							
Memo							
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				OTHER (Specify)			
<input type="checkbox"/> MEAN LOW-WATER							
<input checked="" type="checkbox"/> MEAN LOWER LOW-WATER							
<input type="checkbox"/> MEAN SEA LEVEL							
3. MAP PROJECTION				4. GRID(S)			
Lambert Conformal Conic				STATE		ZONE	
				California		5	
5. SCALE				STATE		ZONE	
1:20,000							
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				G. Morris		Nov. 1976	
COMPILATION CHECKED BY				J. Bryd & R. Minton		Nov. 1976	
INSTRUMENT: Wild B-8				N.A.			
SCALE: 1:20,000				N.A.			
4. MANUSCRIPT DELINEATION PLANIMETRY BY				F. Margiotta, J. Roderick		Nov. 1976	
CHECKED BY				F. Margiotta		Nov. 1976	
METHOD: Smooth drafted and graphic				N.A.			
CHECKED BY				N.A.			
SCALE: 1:20,000 HYDRO SUPPORT DATA BY				J. Hancock		Nov. 1976	
CHECKED BY				F. Margiotta		Nov. 1976	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY				F. Margiotta		Nov. 1976	
6. APPLICATION OF FIELD EDIT DATA BY				L. O. Neterer, Jr.		June 1978	
CHECKED BY				F. Margiotta		July 1978	
7. COMPILATION SECTION REVIEW BY				F. Margiotta		July 1978	
8. FINAL REVIEW FINAL MAP BY				J. Hancock		Jan. 1984	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY				J. Hancock		Jan. 1984	
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY				G. Fromm		Feb. 1984	
11. MAP REGISTERED - COASTAL SURVEY SECTION BY				R. J. Corrigan		May 1984	

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

TP-00924

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) "B"=152.74mm, "Z"=153.14mm
Wild RC-10 "B" and "Z"TYPES OF PHOTOGRAPHY
LEGEND

TIME REFERENCE

TIDE STAGE REFERENCE

- ☒ PREDICTED TIDES #
- ☒ REFERENCE STATION RECORDS *, **
- ☒ TIDE CONTROLLED PHOTOGRAPHY

- (C) COLOR
- (P) PANCHROMATIC
- (I) INFRARED

ZONE

Pacific

☒ STANDARD

MERIDIAN

120th

☐ DAYLIGHT

NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE
75Z(C) 7912 - 7920#	Oct. 7, 1975	12:15	1:30,000	0.5 ft. above M.H.W.
76B(I) 2774 - 2780*	Mar. 15, 1976	09:54	1:30,000	±0.2 ft. of M.H.W.
76B(I) 2325 - 2330**	Mar. 12, 1976	14:53	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
2774 - 2780

RATIO VALUE
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
2325 - 2330

RATIO VALUE
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 1:10,000	SOUTH	WEST
No Survey	TP-00925	No Survey	TP-00923

REMARKS

TP-00924
HISTORY OF FIELD OPERATIONS1. ☒ FIELD INSPECTION OPERATION (Premarking) ☐ FIELD EDIT OPERATION

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

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
752(C) 7918	BATES, 1927 (Paneled Direct)		
752(C) 7914	JACK, 1927 (Paneled Direct)		

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 76-53, 2 C&GS Forms 277 (Tide level Vols.) for project.

TP-00924
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	J. Randall	Nov. 1977
2. HORIZONTAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
3. VERTICAL CONTROL	RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	None R. Hastings, S. Miller R. Hastings
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	R. Hastings
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	N.A.

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None2. VERTICAL CONTROL IDENTIFIED
None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

76B(I) 2325, 2327, 2329, 2331 (Ratios: 1:20,000)

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
76B(I) 2325	OVERPASS		
76B(I) 2329	TANK		

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

7. SUPPLEMENTAL MAPS AND PLANS

2. Page size plans for the submerged pipeline adjacent to Rincon Island

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

2 Forms 76-40, 1 Field Edit Vol., 1 Field Edit Report, Field Edit Print (Film),

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

TP-00924

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.	Nov. 1976	Class III manuscript Superseded	Nov. 1976	Nov. 1976
Field edit applied. Compilation complete.	July 1978	Class I manuscript	July 1978	July 1978
Rock heights compiled from approved tide data	Dec. 1978	Class I manuscript	Dec. 1978	Dec. 1978
Final Review	Jan. 1984	Final Map	Feb. 1984	Feb. 1984

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

(Pages) NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
2		Sept. 1978	Landmarks and Aid for charting
2		Feb. 1984	Landmarks and Aid for charting (positions remain 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: _____

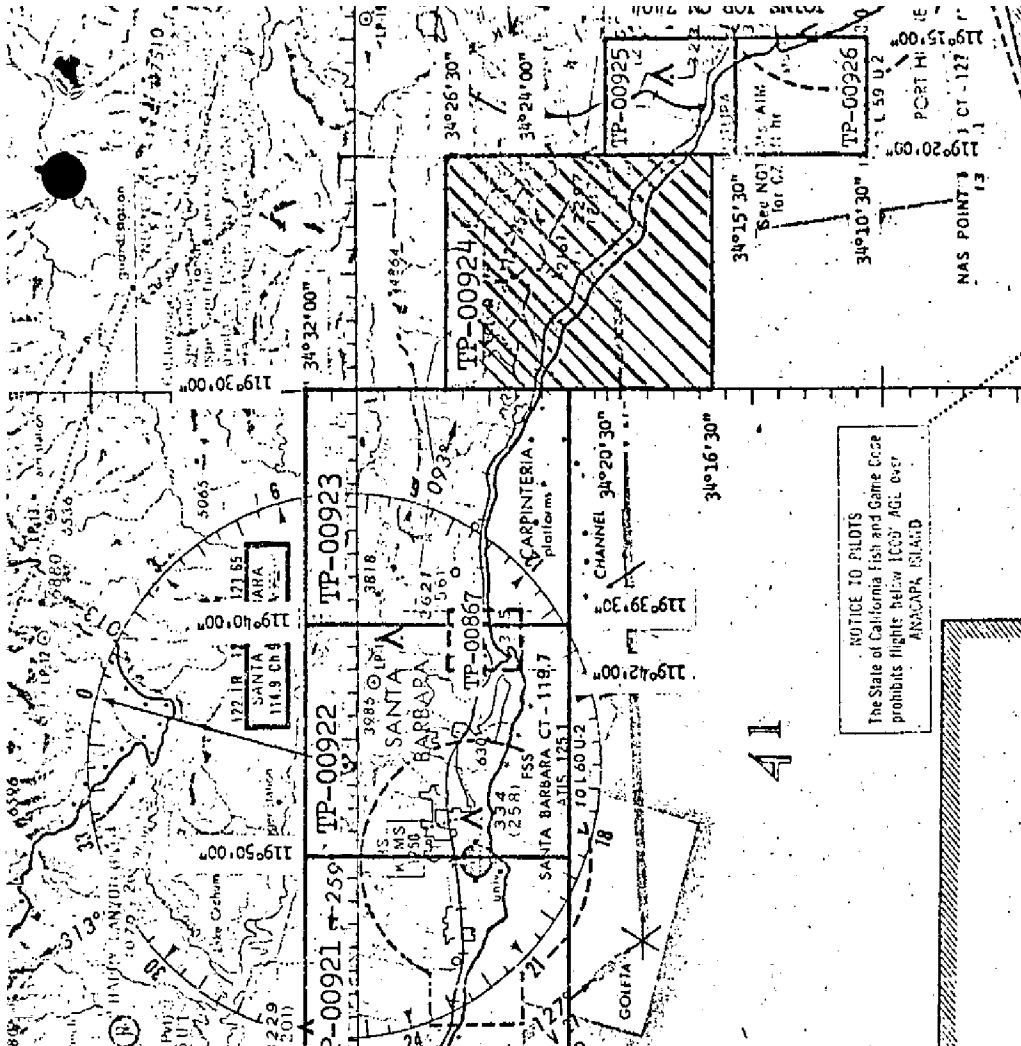
III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
 2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. 357 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	



JOB CM-7509
 PORT HUENEME TO PT. CONCEPTION
 CALIFORNIA
 SHORELINE MAPPING
 SCALE 1:10,000 & 1:20,000
 1:5,000

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

15°E

6

SUMMARY TO ACCOMPANY
DESCRIPTIVE REPORT

TP-00924

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 longitude 119°20.0' to longitude 119°30.0'.

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

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

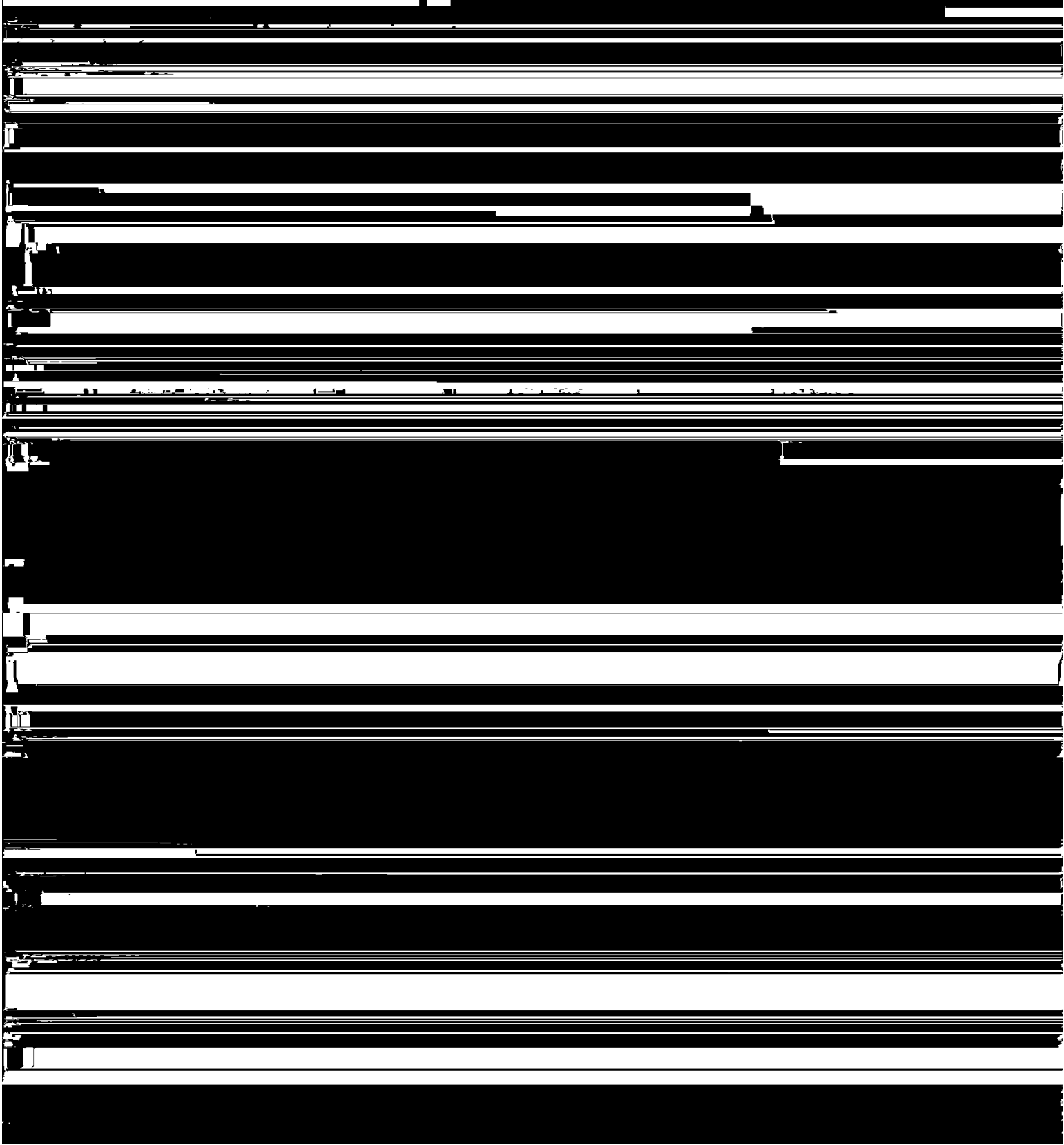
Analytic aerotriangulation was adequately provided by the Washington Science Center in June 1976. Aerotriangulation activity also included ruling the base manuscripts and determining ratio values of the photos necessary for graphic compilation.

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

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

TP-00924

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.



FIELD INSPECTION

TP-00924

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.

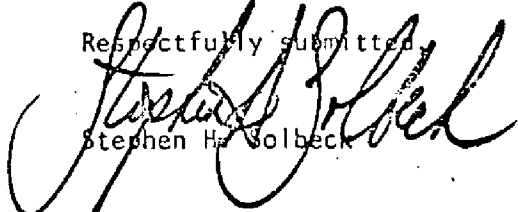
24. Supplemental Data

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

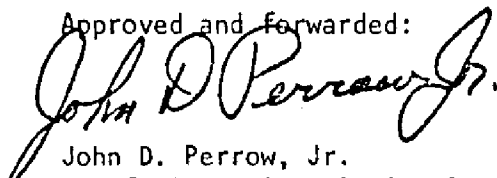
25. Photography

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

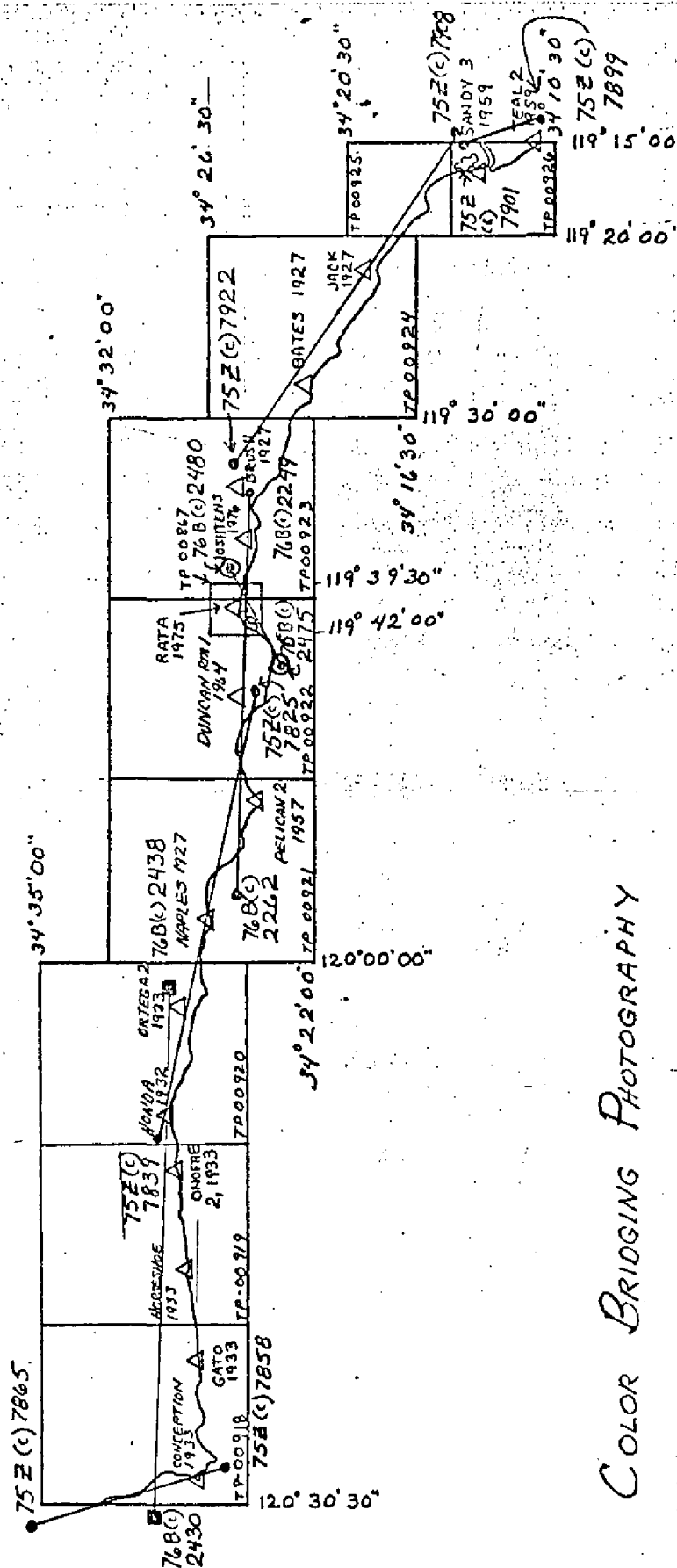
Respectfully submitted,


Stephen H. Solbeck

Approved and Forwarded:


John D. Perrow, Jr.
Chief, Aerotriangulation Section

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



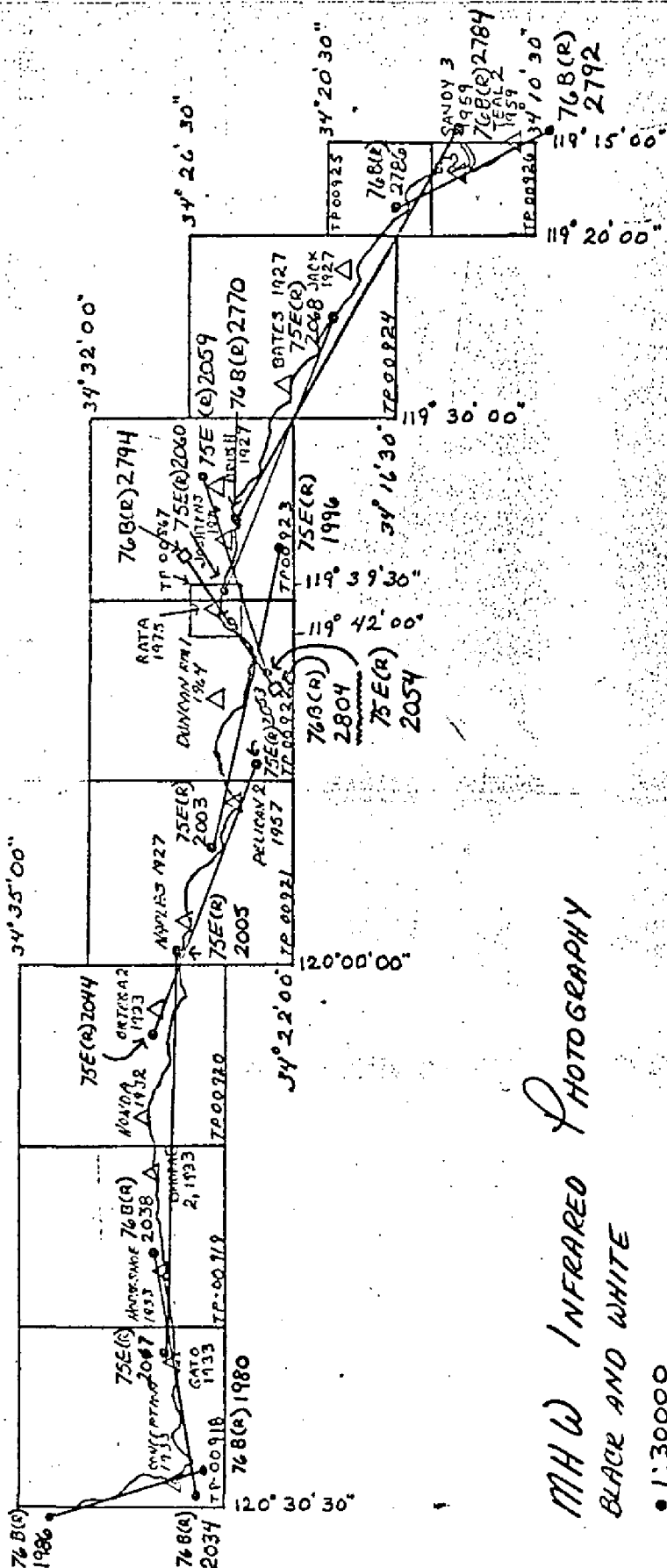
COLOR BRIDGING PHOTOGRAPHY

- 1:60000
- 1:30000
- ⊙ 1:15000

PORT HUENEME TO POINT CONCEPTION, CALIF.

CM 2509

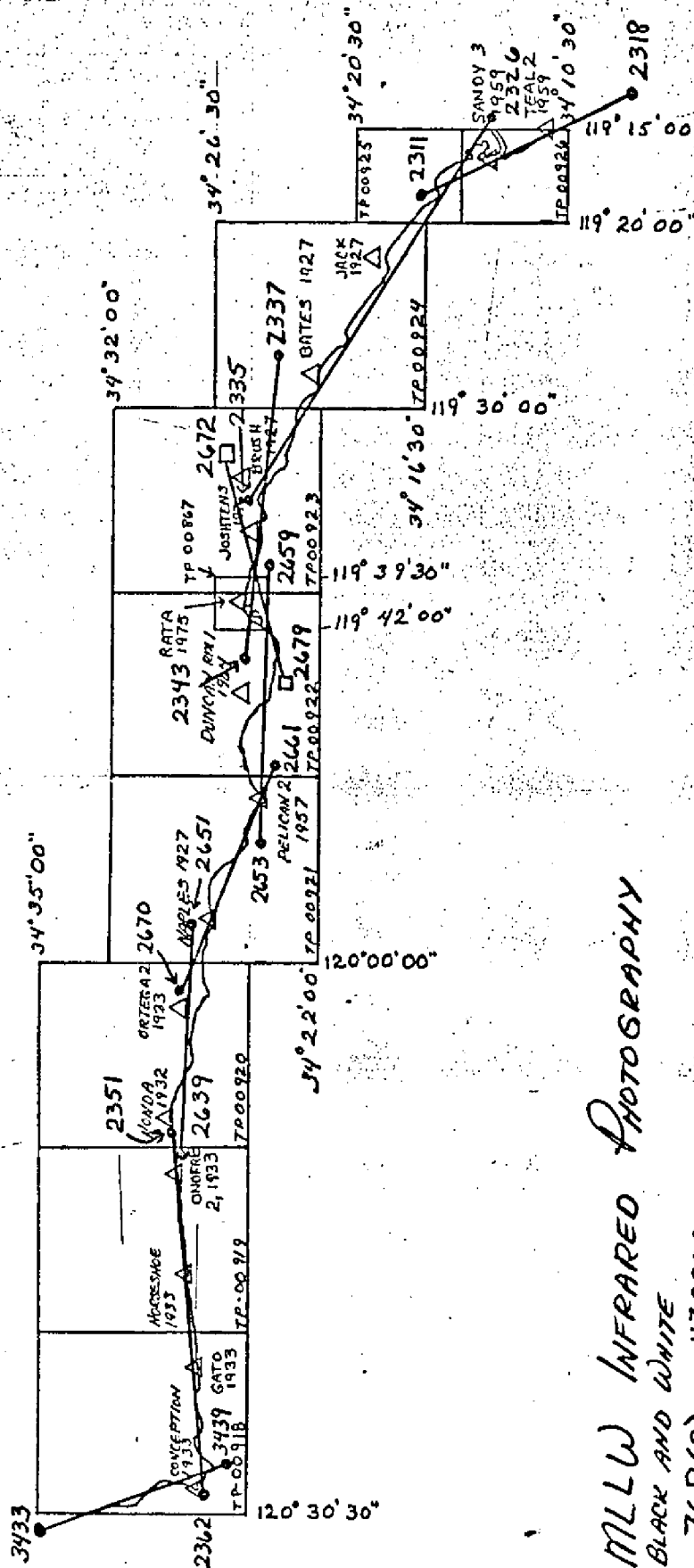
Aerotriangulation Sketch



MHW INFRARED PHOTOGRAPHY
BLACK AND WHITE

• 1:30000
□ 1:15000

PORT HUENEME TO POINT CONCEPTION, CALIF.
 CM 509
 AEROTRIANGULATION SKETCH



MLLW INFRARED PHOTOGRAPHY

BLACK AND WHITE

76B(R) • 1:30000
 □ 1:15000

LIST OF ACCURACY OF CONTROL USE IN THE STRIP ADJUSTMENT

	POINT	X error (ft)	Y error (ft)
STRIP #1	899101 (TEAL 2, 1959) (SUB PT)	+ .001	- .001
	901100 (SANDY 3) (1959)	- .000	+ .001
STRIP #2	900801 (TO STRIP #1)	+ .059	- .154
	900802 (TO STRIP #1)	+ .932	- 1.286
	900803 (TO STRIP #1)	- .020	- 1.005
	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)	+ 1.051	+ 1.680

Pt. Hueneme to Pt. Conception

CM-7509

August 1976

. Supplement to Photogrammetric Plot Report

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY		GEOGRAPHIC POSITION		REMARKS	
TP-00924		CM-7509		N.A., 1927		Coastal Mapping Unit, AMC		φ LATITUDE λ LONGITUDE		FRONT M. BACK M.	
STATION NAME		SOURCE OF INFORMATION (Index)		COORDINATES IN FEET STATE California ZONE 5							
		AEROTRIANGULATION POINT NUMBER									
AMAT, 1927	341192 Page 1055	94		x=	φ 34° 22' 49.606"	-		1528.5	320.3		
				y=	λ 119° 28' 51.198"	-		1308.0	224.9		
BATES, 1927	341192 Page 1059	918100		x=	φ 34° 22' 41.786"	-		1287.6	561.2		
				y=	λ 119° 27' 36.574"	-		934.4	598.5		
GORDA 2, (GSLC), 11959	341192 Page 1023	97		x=	φ 34° 21' 20.0364"	-		617.4	1231.4		
				y=	λ 119° 26' 28.9699"	-		740.3	793.0		
DOCK, TANK ON WHARF, 1930	341192 Page 1098	98		x=	φ 34° 20' 59.29"	-		1826.9	21.9		
				y=	λ 119° 25' 47.94"	-		1225.2	308.2		
SEACLIFF, 1927	341192 Page 1022	100		x=	φ 34° 20' 39.5332"	-		1218.1	630.7		
				y=	λ 119° 24' 25.8005"	-		659.4	874.1		
PADRE, 1927	341192 Page 1020	103		x=	φ 34° 19' 38.6874"	-		1192.1	656.7		
				y=	λ 119° 23' 22.4120"	-		572.9	960.9		
JACK, 1927	341192 Page 1019	914100		x=	φ 34° 19' 36.1519"	-		1113.9	734.9		
				y=	λ 119° 22' 06.7494"	-		172.5	1361.3		
CARL, 1927	341192 Page 1065	105		x=	φ 34° 18' 37.599"	-		1158.5	690.3		
				y=	λ 119° 21' 27.212"	-		695.8	838.3		
JASON, 1927	341192 Page 1021	101		x=	φ 34° 21' 10.7356"	-		330.8	1518.0		
				y=	λ 119° 22' 28.5871"	-		730.6	802.8		
READ, 1927	341192 Page 1018	102		x=	φ 34° 20' 52.6911"	-		1623.6	225.2		
				y=	λ 119° 20' 36.5232"	-		933.5	599.9		
COMPUTED BY A. C. Rauck, Jr.		DATE 8/25/76		COMPUTATION CHECKED BY, LOWE F. EGGERER, Jr.							
LISTED BY A. C. Rauck, Jr.		DATE 8/10/76		LISTING CHECKED BY, LOWE F. EGGERER, Jr.							
HAND PLOTTING BY Coradomat		DATE 11/76		HAND PLOTTING CHECKED BY J. Hancock							

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

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.		JOB NO.		GEODETTIC DATUM		ORIGINATING ACTIVITY	
TP-00924		CM-7509		N.A. 1927		Coastal Mapping Unit, AMC	
STATION NAME	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	COORDINATES IN FEET		GEOGRAPHIC POSITION		REMARKS FRONT M. BACK M.
			STATE	ZONE	ϕ LATITUDE λ LONGITUDE		
SHEPPARD, 1927	341192 Page 1090	96	X=		ϕ	$34^{\circ}23'59.381''$	1829.7 219.1
			Y=		λ	$119^{\circ}28'01.181''$	30.2 1502.3
RINCON MOUNTAIN, 1927	341192 Page 1024	99	X=		ϕ	$34^{\circ}22'19.8353''$	611.2 1237.6
			Y=		λ	$119^{\circ}25'13.1573''$	336.2 1196.8
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
			X=		ϕ		
			Y=		λ		
COMPUTED BY	A. C. Rauck, Jr.	DATE	8/25/76	COMPUTATION CHECKED BY		DATE 8/26/76	
LISTED BY	A. C. Rauck, Jr.	DATE	8/10/76	LISTING CHECKED BY		DATE 8/25/76	
HAND PLOTTING BY	Coradomat	DATE		HAND PLOTTING CHECKED BY		DATE 11/76	
				J. Hancock			

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

COMPILATION REPORT

TP-00924

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 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, 5463, T.S. 4847, 4854, 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 was one charted aid and one landmark. They could not be located photogrammetrically and were referred to the field editor for an evaluation.

38 - CONTROL FOR FUTURE SURVEYS

None.

39 - JUNCTIONS

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

40 - HORIZONTAL AND VERTICAL ACCURACY

See Item Number 32.

46 - COMPARISON WITH EXISTING MAPS

A comparison has been made with the following 1:24,000 scale U.S. Geological Survey Quadrangles: White Ledge Peak, CA, dated 1952 and photorevised 1967; Pitas Point, CA, dated 1950 and photorevised 1967; and, Ventura, CA, dated 1951 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,

J. Byrd for
Joanne Roderick
Cartographer
November 1976

Approved,

James Langford Byrd, Jr.
Albert C. Rauck, Jr.
Chief, Coastal Mapping Section

ADDENDUM TO THE COMPILATION REPORT

TP-00924

Field edit was accomplished in November 1977 in conjunction with hydrographic survey assigned to NOAA Ship FAIRWEATHER.

The transfer and scaling of photo identified points were practiced in the field to establish photo control and landmark positions. This activity is not permitted in the field and should be discouraged in the future.

The verification of the alongshore breakers was not really necessary, this breaker limit was primarily to advise and assist the hydrographer and the field editor.

Original fix observations were not submitted for the alongshore rocks located during field edit. The computational listings and the corresponding field edit print were the source for most of the rocks.

FIELD EDIT REPORT

OPR-411-RA-77
CM-7509
TP-00924

SOUTHERN CALIFORNIA
PORT HUENEME TO POINT CONCEPTION

1 FIELD UNIT

October 29 - November 25, 1977
(JD 302 - 329)

51 METHODS

Field edit operations for TP-00924 began prior to and continued concurrent with hydrographic survey operations for H-9730, OPR-411-RA-77. Five visual signals were located photogrammetrically for field edit operations only. Three signals were located on Nov. 20, 1977 (JD 324) and the other two on Nov. 25, 1977 (JD 329).

Four modes of transportation were used during field edit operations. Public roads exist along the entire length of shoreline within the limits of TP-00924. Where the shoreline was easily visible from a road, an automobile was used, stopping frequently for observation and annotation of the photographs. The rest of the shoreline was walked. A bluff northwest of Rincon Pt. was walked instead of the shoreline, utilizing a higher vantage point. A skiff was used on Nov. 20, 1977 (JD 324) for locating rocks not visible on the photographs (Rocks P and Q). During ship hydrographic survey operations the ship RAINIER was utilized in investigating Landmarks for Charts.

Heights of rocks were estimated at close range. Depths of submerged rocks were measured with a pole. The times noted are GMT (local + 7 hours for JD 302), (local + 8 hours for JD 303-329). A letter designator was assigned to each rock. See Table 1 for the master listing.

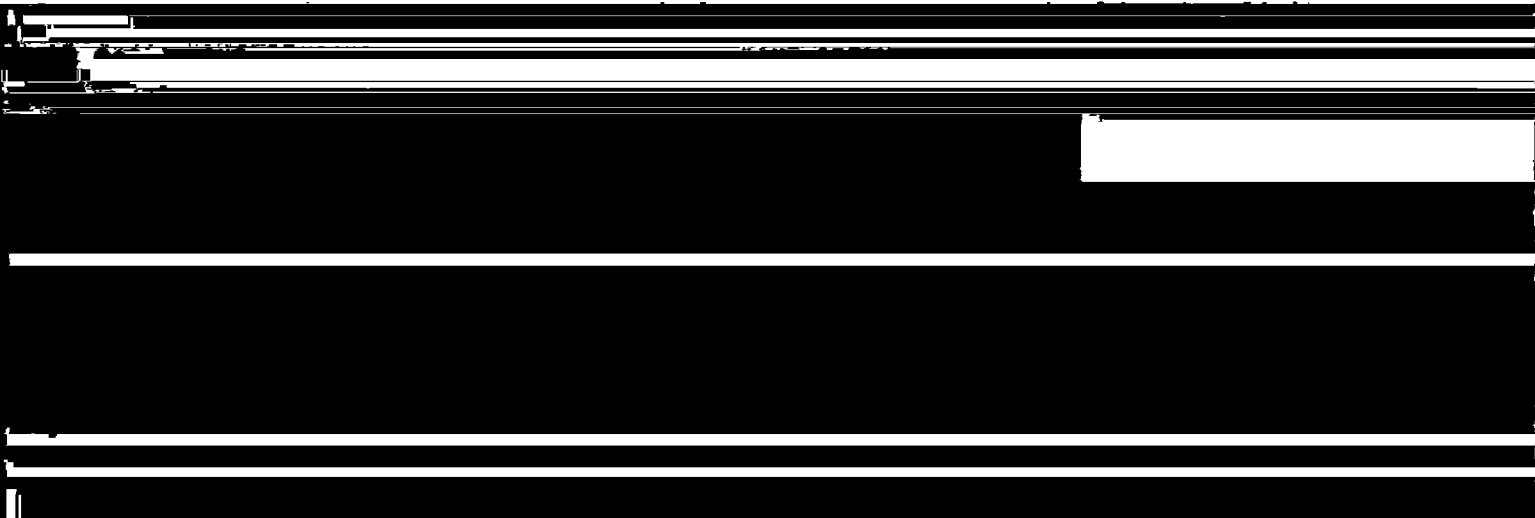
Shoreline and topographic notes are noted on black and white chronopaque photographs 76B(I)2325, 2327, 2329, and 2331. The annotations on the photographs and Master Field Edit Ozalid were made using colors with the following accepted meanings: violet - verification of features, red - addition or revision of features, green - deletion of features.

52 ADEQUACY OF COMPILATION

The compilation of manuscript TP-00924 is complete and adequate. The MHWL and MLLWL are accurate as compiled.

53 MAP ACCURACY

On TP-00924 ten rocks were verified by field edit, nine additional rocks were found, three were deleted, and three are recommended to be retained on the charts until they can be verified or disproven by future hydrographic methods. The three rocks fell outside the limits of RAINIER hydrography as a result positioning control was not available to conduct an adequate search. Table 1 of the "Separates Following the Text" is the master listing of the rock investigation. Also added



nor from shore and the rocks were not within the limits of the hydrography. Field edit recommends they be retained on the charts until they can be verified or disproven by future hydrographic methods, as noted earlier in this report.

54 RECOMMENDATIONS

Photograph 76B(I)2330 was not transmitted for use by the field editor, the photograph would have been useful.

56 MISCELLANEOUS

Geographic Position computations for rocks (P,Q) as determined by sextant fixes are included in the "Separates Following the Text." Engineering plans provided by ARCO on Rincon Island showing Rincon Island Light, the wellhead, and pipeline are included in the "Separates." The GPs for the light and wellhead were found to be incorrect. The correct GPs have been noted on the plans and the Master Field Edit Ozalid. The GP for the light was determined geodetically, while the GP for the wellhead was determined by hydrographic methods. A copy of the Geodetic Position Computation for Rincon Island Light, taken from "Horizontal Control Report, OPR-411-RA-77," is included in the "Separates."

A schematic and GP computations for the two groups of pilings are included in the "Separates." In the course of field edit, triangulation station JACK 1927 was recovered. Refer to the "Separates Following the Text" for the recovery note. The original recovery note is included in the "Horizontal Control Report, OPR-411-RA-77."

Also included in the "Separates" are Forms 76-40, Landmarks for Charts, and Unadjusted Field Geographic Positions.

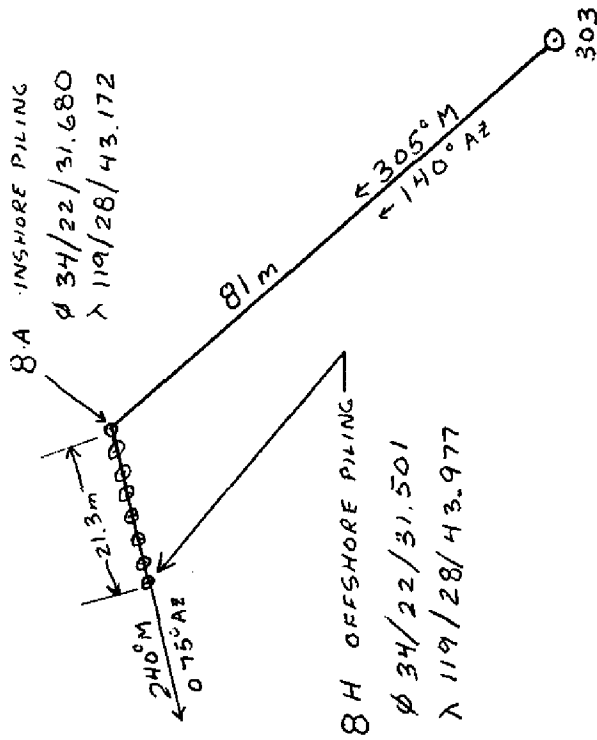
Respectfully submitted,

Richard L. Hastings

Richard L. Hastings, AST

Approved by,

James P. Randall
James P. Randall, CAPT., NOAA
Commanding Officer



8 PILING EVENLY SPACED 10' APART

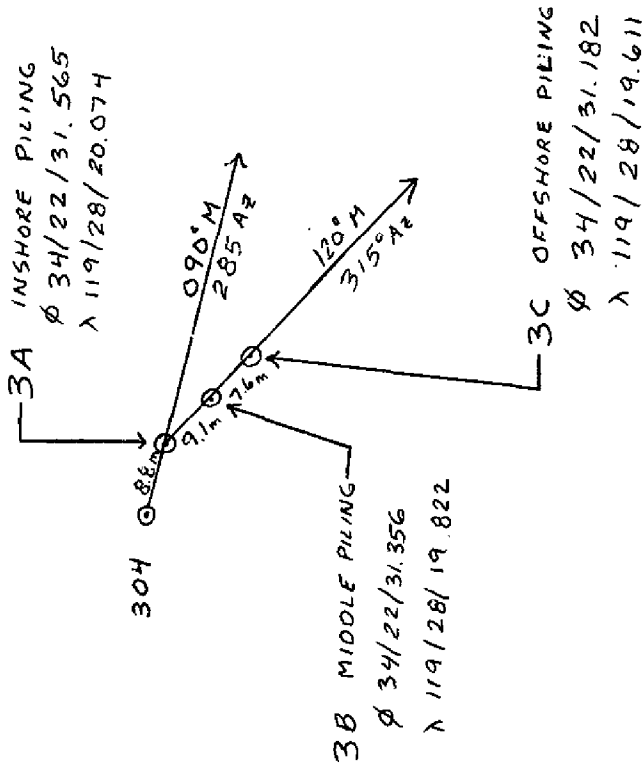
PROJECTING 7-8' ABOVE SAND

STEEL RAILROAD RAILS

DELINEATING OLD BOUNDARY BETWEEN

PUBLIC AND PRIVATE BEACH

SCALE: 1:1,000



3 PILING

PROJECTING 6-7' ABOVE SAND

STEEL RAILROAD RAILS

DELINEATING OLD BOUNDARY BETWEEN

PUBLIC AND PRIVATE BEACH

SCALE: 1:1,000

TABLE 1: ROCK INVESTIGATIONS
Field Edit TP-00924 (Raydist)

Pg 1 of 3

Rock	Latitude	Longitude	Height/Time	Source	Disposition	Techniques	Remarks
A	34/23/00	119/29/55	Not found, 2210 Z JD 315, 1977	Chart 18725	Retain	F.E. (shore)	Recommend retaining on chart
AB	34/23/03	119/29/54	Rock awash 2210Z JD 315, 1977	F.E. found	Additional	F.E. (shore)	New rock near (A)
B	34/22/46	119/29/10	Not found, 2230Z JD 315, 1977	Chart 18725	Retain	F.E. (shore)	Recommend retaining on chart
C	34/22/46	119/29/06	Not found, 2230Z JD 315, 1977	Chart 18725	Retain	F.E. (shore)	Recommend retaining on chart
D	34/22/28	119/28/02		TP-00924	Delete	F.E. (shore)	Error in position see rock (DD)
DD	34/22/31	119/28/02	Rock 3' 2300Z JD 315, 1977	TP-00924	Verified	F.E. (shore)	
E	34/21/19	119/26/34	Rock 4', 2056Z JD 315, 1977	F.E. found	Additional	F.E. (shore)	New Rock
F	34/21/18	119/26/32	Rock spit, tip awash, bares 10' 2056Z, JD 315, 1977	F.E. found	Additional	F.E. (shore)	New rock
FF	34/21/17	119/26/32	Rock 4', 1820Z JD 302, 1977	F.E. found	Additional	F.E. (shore)	New rock

Rock	Latitude	Longitude	Height/Tim
G	34/21/18	119/26/20	Rock spit, 2115Z, JD 3
GG	34/21/18	119/26/17	Line of roc furthest aw 2110Z, JD 3
H	34/20/26	119/24/54	Rock 1' 000 JD 304, 197
HH ₁	34/20/14	119/24/42.5	Rock 2' 232 JD 315, 197
HH ₂	34/20/13.5	119/24/41.5	Rock 3' 232 JD 315, 197
I	34/19/11.5	119/22/41	Rock 3' 235 JD 315, 197
J	34/19/11	119/22/40	Rock 3' 235 JD 315, 197
K	34/19/11	119/22/32	Rock 2' 235 JD 315, 197
KK	34/19.1	119/22.6	Extensive r ledge, edge 2350Z JD 3

TABLE 1: ROCK INVESTIGATIONS
 FIELD EDIT TP-00924 (Raydist)
 Source Disposition Techniques Remarks

Rock	Latitude	Longitude	Height/T time	Source	Disposition	Techniques	Remarks
L	34/18/36	119/22/05		Chart 18725	Delete	Hydrography	Disproved by hydro
M	34/18/18	119/21/54		TP-00924	Delete	Hydrography	Disproved by hydro
N	34/18/ 26.622	119/21/ 41.240	0.6 fm reduced to MLW	H-5463, 1933 1:10,000	Verified	Hydrography	Was not on TP-00924 Verified by hydro JD 304, Pos. # 6508
O	34/18/41	119/21/35	Rock 4' 0120Z JD 304, 1977	Chart 18725	Verified	F.E. (shore)	
P	34/18/ 36.120	119/21/ 39.594	Rock reef, subm. 2-3', 2145Z JD 324, 1977	Chart 18725	Verified	F.E. (boat)	
Q	34/18/ 33.540	119/21/ 31.702	Rock reef subm. 3' 2130Z, JD 324	Chart 18725	Verified	F.E. (boat)	
R	34/18/33	119/21/27	Rock 1' 0015Z JD 316, 1977	Chart 18725	Verified	F.E. (shore)	

REVIEW REPORT TP-00924
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: White Ledge Peak, CA, dated 1952, photorevised 1967; Pitas Point, CA, dated 1950, photorevised 1967; and Ventura, CA, dated 1951, photorevised 1967.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

A comparison was made with an advanced copy of hydrographic smoothsheet H-9752, surveyed March 1978, 1:20,000 scale and with adjoining smoothsheet H-9730, surveyed November 1977, 1:20,000 scale.

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

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

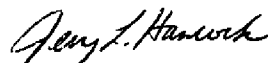
65. COMPARISON WITH NAUTICAL CHARTS

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
Final Reviewer

Approved for forwarding,

Billy H. Barnes

Billy H. Barnes

Chief, Photogrammetric Section, AMC

Approved,

George Inbace

Chief, Photogrammetric Section, Rockville

George Inbace

Chief, Photogrammetry
Branch

November 23, 1983

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00924

Dulah

Los Sauces Creek

Pacific Ocean

Pitas Point

Punta

Punta Gorda

Rincon Beach

Rincon Creek

Rincon Point

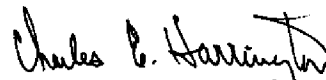
Santa Barbara Channel

Sea Cliff

Southern Pacific (RR)

Wave

Approved by:



Charles E. Harrington
Chief Geographer
Nautical Charting Division

RESPONSIBLE PERSONNEL		NAME		ORIGINATOR	
TYPE OF ACTION					
OBJECTS INSPECTED FROM SEAWARD		Richard L. Hastings		<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
POSITIONS DETERMINED AND/OR VERIFIED		Richard L. Hastings		FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES		L. O. Neterer, Jr.		OFFICE ACTIVITY REPRESENTATIVE	
		J. Hancock, January 1984		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'					
(Consult Photogrammetric Instructions No. 64.)					
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75			FIELD (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 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			III. 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-Vls.' and date. EXAMPLE: V-Vls. 8-12-75		
*FIELD POSITIONS are determined by field observations based entirely upon ground survey methods.			**PHOTOGRAMMETRIC FIELD POSITIONS are dependent entirely, or in part, upon control established by photogrammetric methods.		

TYPE OF ACTION		RESPONSIBLE PERSONNEL	
	NAME	ORIGINATOR	
OBJECTS INSPECTED FROM SEAWARD	Richard L. Hastings	<input checked="" type="checkbox"/> PHOTO FIELD PARTY <input type="checkbox"/> HYDROGRAPHIC PARTY <input type="checkbox"/> GEODETIC PARTY <input type="checkbox"/> OTHER (Specify)	
POSITIONS DETERMINED AND/OR VERIFIED	Richard L. Hastings	FIELD ACTIVITY REPRESENTATIVE	
FORMS ORIGINATED BY QUALITY CONTROL AND REVIEW GROUP AND FINAL REVIEW ACTIVITIES	L. O. Neterer, Jr.	OFFICE ACTIVITY REPRESENTATIVE	
J. Hancock, January 1984		<input type="checkbox"/> REVIEWER <input type="checkbox"/> QUALITY CONTROL AND REVIEW GROUP REPRESENTATIVE	
INSTRUCTIONS FOR ENTRIES UNDER 'METHOD AND DATE OF LOCATION'			
(Consult Photogrammetric Instructions No. 64.)			
OFFICE I. OFFICE IDENTIFIED AND LOCATED OBJECTS Enter the number and date (including month, day, and year) of the photograph used to identify and locate the object. EXAMPLE: 75E(C)6042 8-12-75		FIELD (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 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		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.			

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.