

TP-00399

TP-00399

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey .. Shoreline ..
Job No. PH-7107 .. Map No. TP-00399 ..
Classification No. Final .. Edition No. 1 ..
Field Edited Map

LOCALITY

State .. California ..
General Locality .. Dana Point to Point Vicente ..
Locality .. Los Angeles Outer Harbor ..

19 72 TO 19 75

REGISTRY IN ARCHIVES

DATE ..

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.00399 MAP EDITION NO. (1) MAP CLASS Final 7107 JOB PH.	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEEDING MAP EDITION TYPE OF SURVEY <input type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED			
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va.				JOB PH.			
OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr				MAP CLASS SURVEY DATES: 19__ TO 19__			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Compilation Nov 5, 1971 Supplement 1 Oct 9, 1973 Amendment 1 Oct 30, 1973 Amend. 1 to Supp. 1 Jan 28, 1974 Aerotriangulation Aug 17, 1971				Premarking March 1, 1971 Premarking Supplement I Feb. 25, 1972			
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)			

NOAA FORM 76-36B (3-72)		U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL OCEAN SURVEY			
TP-00399					
COMPILATION SOURCES					
1. COMPILATION PHOTOGRAPHY					
CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED.		TIME REFERENCE ZONE Pacific MERIDIAN 120th	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT	
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72L(C) 2889	3/24/72	14:46	1:15,000	0.8 ft. above MLLW	
*72L 2828 -2829\	3/24/72	11:37	1:15,000	0.2 ft. below MLLW	
72L(C) 2908-2910	3/24/72	15:00	1:15,000	1.2 ft. above MLLW	
72L(C) 3062-3064	3/27/72	08:42	1:15,000	4.7 ft. above MLLW	
72L(C) 3034	3/27/72	08:35	1:15,000	4.8 ft. above MLLW	
REMARKS					
2. SOURCE OF MEAN HIGH-WATER LINE:					
The mean high water line was compiled from the above listed color photographs.					
3. SOURCE OF MEAN LOW-WATER OR MEAN LOWER LOW-WATER LINE:					
*The mean lower low water line was compiled from office interpretation of the above listed tide controlled infrared photography.					
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		
TP-00392	TP-00400	No survey	TP-00398		
REMARKS					

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00399
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. B. Melby	Mar 1972
2. HORIZONTAL CONTROL	RECOVERED BY R. B. Melby	Mar 1972
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY L. Riggers	Mar 1972
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 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 NA	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
72L(C)3080	OLD, 1899		

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 C.S.I., 1-form 277 "Tides"

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	M. Fleming, CDR. Davidson	Apr 1975
2. HORIZONTAL CONTROL	RECOVERED BY: None 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: None LOCATED (Field Methods) BY: R. Hopkins IDENTIFIED BY: None	Apr 1975
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. Hopkins	Apr 1975
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY: NA	

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)

72L(C) 3063

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

Blue line print "Port of Los Angeles, Pipes and Utilities Crossing Channels."

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

1 Field Edit Ozalid with Field Edit Report, 1-List of Abstract of Fix Geographic positions, photo 72L(C) 3063 (cronicapue ratio)

NOAA FORM 76-36D
(3-72)

TP:00399

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

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	Sep 1974	Class III manuscript superseded	Oct 11 1974	Oct 11 1974
Field edit applied. Compilation complete.	Jul 1975	Class I manuscript	Jun 7 1976	
Final Review	Oct 1978	Final	Nov 1978	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		5/24/76	Aids to be charted.
1		5/24/76	Landmarks to be charted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: May 24, 1976
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

III. FEDERAL RECORDS CENTER DATA

1. ☒ BRIDGING PHOTOGRAPHS; ☒ DUPLICATE BRIDGING REPORT; ☒ COMPUTER READOUTS.
2. ☒ CONTROL STATION IDENTIFICATION CARDS; ☒ FORM NOS. ~~76-40~~ 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: _____

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	

NOTE B

igation regulations are published in Coast Guard Notice to Mariners No. 2. Coast Pilot 7, Notices to Mariners, and Aids to Navigation. Regulations may be obtained from the District Engineer, Corps of Engineers in Los Angeles, Calif.

Percentage regulations may be obtained at the Commanding Officer's Office of the Commander, 11th Coast Guard District, San Diego, Calif.

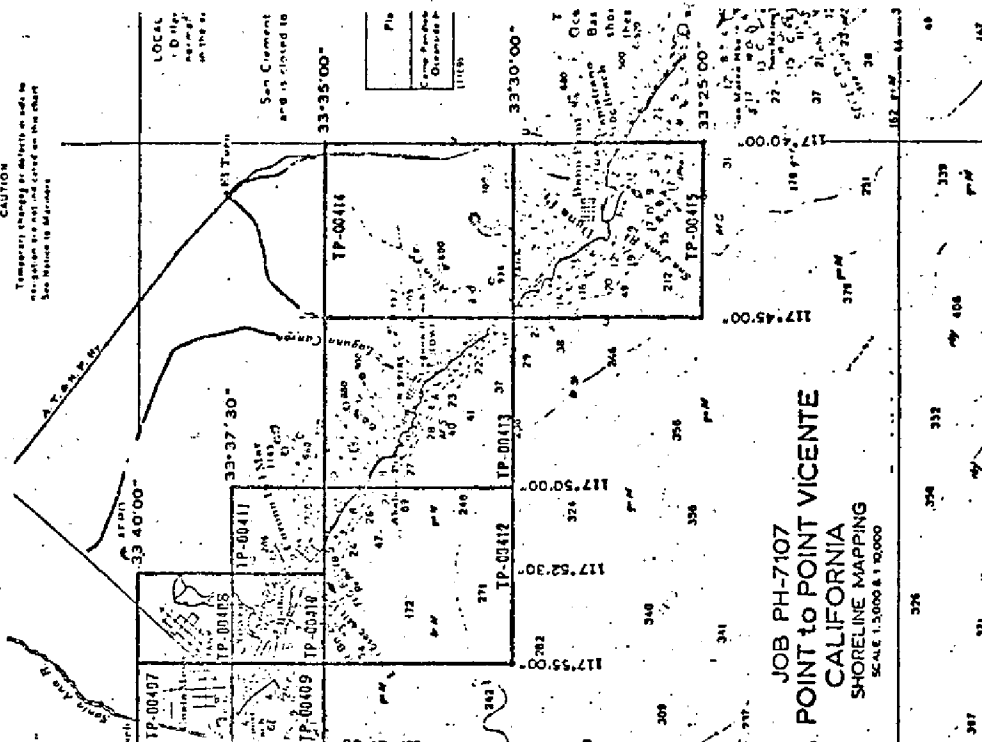
The section numbers shown with area designations are as follows:

NOTE C
SUBMARINE TRANSIT LANCES

SUBMARINE TRANSIT 14MRS

Times of submitting transcripts will be published in the Eleventh Coast Guard District (El Centro, Calif.) Local Notice to Mariners. Signs and Crafts are requested not to tow submersibles and objects across straits, rivers and

CAUTION
Temporary changes in the
operation of the system
may be necessary.



SUMMARY TO ACCOMPANY

TP-00392 through TP-00403

Maps included in this summary comprise the northern portion of Project PH-7107. Each of them is 1:5,000 scale with the exception of TP00392⁷ which is 1:10,000 scale. They cover the coast of California from Anaheim Bay to Point Vicente. Each is a standard shoreline map, the purpose of which is to serve as support for contemporary hydrographic operations conducted in the area and to provide up-to-date shoreline for nautical chart construction.

The area is heavily populated with an accompanying high incidence of marine construction. Several major changes have occurred along the shoreline during the life of this survey due to construction.

Field operations prior to delineation consisted of the recovery and identification of horizontal control used for bridging and, also, leveling operations conducted in connection with the tide coordinated infrared photography which was used to delineate the mean lower low water line.

Bridging was done in the Rockville Office by analytic triangulation methods in September, 1973. Ratios were determined and ordered at that time.

Compilation was by Wild B-8 instrument method at the Atlantic Marine Center. Field edit was performed during the spring of 1975 and 1976. Edit data was applied to the maps at the Atlantic Marine Center.

Final Review was performed at the Atlantic Marine Center during the fall of 1978. The original base maps and all pertinent data was forwarded to the Rockville Office for reproduction and final registration.

FIELD INSPECTION

Field work prior to compilation was limited to the recovery and identification of horizontal and vertical control for use in the bridge and coordination of mean lower low water tide elevation. There was no clarification of photographic details.

PHOTOGRAMMETRIC PLOT REPORT

Part 2

Dana Point to Point Vicente

California

Job PH-7107

September 1973

21. AREA COVERED

The area covered by this report is along the west coast of California. This area is covered by one 1:10,000 scale sheet TP-00397 and eleven 1:5,000 scale sheets TP-00392 thru TP-00396 and TP-00398 thru TP-00403.

22. METHOD

Two strips of 1:30,000 scale color photography were bridged by analytic aerotriangulation methods. Sketch #1 shows the flight line of the photography and the placement of the control used in this adjustment. The two strips were controlled by field identified control paneled in 1972. Old control, which was office identified, was floated for checks. Ties were made between strips five and six. Strip number five was adjusted using 3 horizontal stations as control with one old station as a check. Strip number six was adjusted using 7 horizontal stations as control with 3 old stations as checks. Compilation points were located between strips #5 and #6 (1:30,000 scale photography) to control the 1:15,000 scale compilation photography, strips 10, 14, 15, 19, 20, and 21. Common points were located between strip 5 and 6 and the hydro support photography (1:15,000), strips 29 and 30, to determine the ratio scale. Sketch #2 shows the flight lines of the compilation and hydro support photography. Common points were located between strip 6 and strips 11 and 12 to determine only the ratio scale.

Difficulty in adjusting the strips occurred in the area of Long Beach Red Band Steel Tank, 1920. Points in this area approached the limits for National Map Accuracy Standards. This is the result of trying to obtain 1:5,000 scale sheets from 1:30,000 scale photography with several models being very weak. (Less than 1/2 model) The lower altitude strips were not bridged because the points for bridging would only be as good as the high altitude bridges. No difficulty is expected in detailing the compilation (1:15,000 scale models) however, if difficulty is encountered in the weak area, there are numerous office identifiable stations which could be used to help set up the models.

One model (Photos 72L2894, 72L2895) was set in the E-8. The four compilation points were held. Two triangulation stations and one substation were used as checks. All three held within 0.1 mm.

Data for ruling projections were furnished to the Coradomat to be plotted on the California zones 6 and 7 coordinate system.

23. ADEQUACY OF CONTROL

The control was adequate.

24. SUPPLEMENTAL DATA

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

25. PHOTOGRAPHY

The photography was adequate as to coverage, overlap and definition.

Respectfully submitted,

Ivey O. Raborn
Ivey O. Raborn

Approved and forwarded:

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

NOTES TO COMPILER

Strip number 13, which covers the breakwater, cannot be controlled or set in stereo instruments. This area must be compiled by field methods.

PHOTOGRAMMETRIC PLOT REPORT

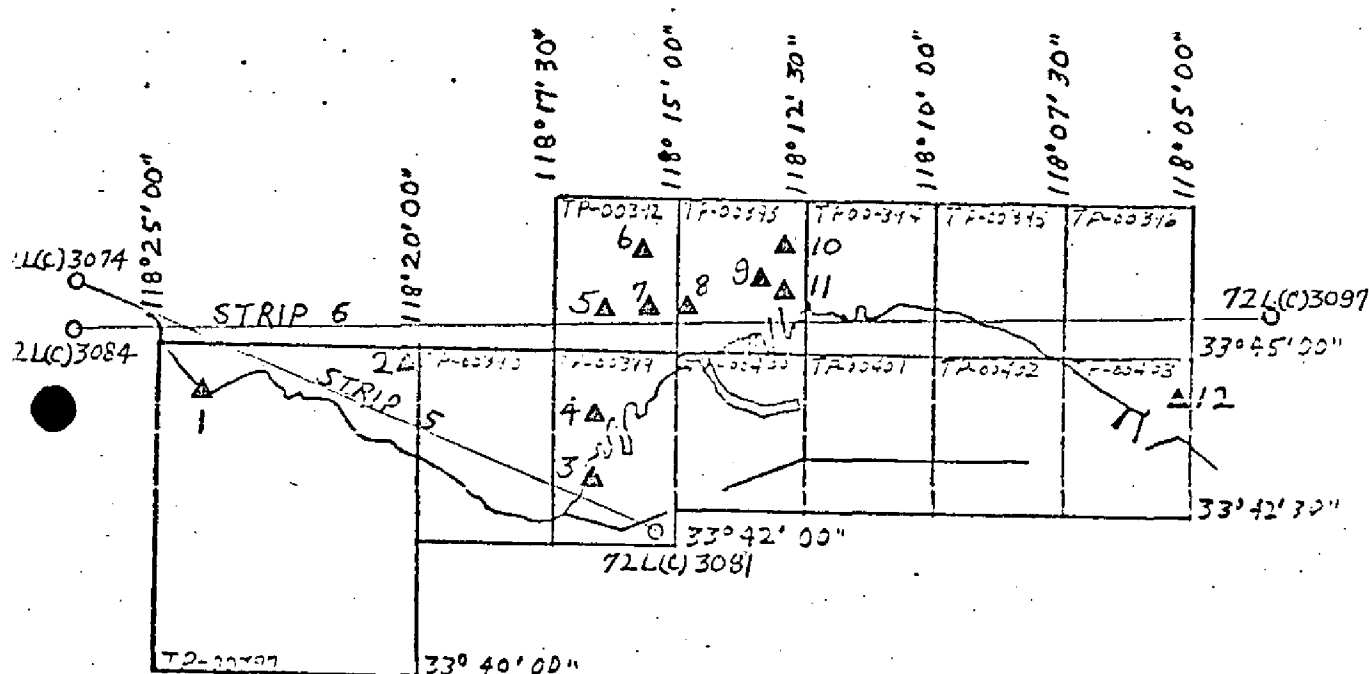
Part 2

Dana Point to Point Vicente

California .

Job PH-7107

August 1973



1. Vicente, 1951.
2. Verdes, 1963, Sub pt.
3. Old, 1899, Sub pt.
4. San Pedro Cotton Compress Co. Tank, 1933
5. San Pedro Pacific Coast Borax Co. Stack, 1933
6. Wilmington, Smart & Final Co. Warehouse Tank, 1933
7. Medora 1972
8. Wilmington Berth 176-177 Water Tank, 1933
9. Long Beach Red Band Steel Tank, 1920
10. Long Beach Procter & Gamble Water Tank, 1933
11. Long Beach Red Band Steel Tank , 1920, Sub pt.
12. B.M. N 766, 1956, Sub pt.

Sketch #1

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00399	STATION NAME	JOB NO. PH-7107	GEODETTIC DATUM		AEROTRI- ANGULATION POINT NUMBER	SOURCE OF INFORMATION (Index)	COORDINATES IN FEET		GEOGRAPHIC POSITION		ORIGINATING ACTIVITY	
			STATE ZONE	California 6			NA 1927	Division, Norfolk, Va.	φ LATITUDE λ LONGITUDE	REMARKS FORWARD BACK		
SAN PEDRO, CABRILLO BEACH, BATHHOUSE, SPIRE, 1933	Quad 331181 STA. 3040		X=	Y=			φ 33 42 34.459 λ 118 16 58.640			1061.6 (786.9) 1510.0 (35.0)		
SAN PEDRO, WIRELESS, 1926	Quad 331181 STA. 3049		X=	Y=			φ 33 42 29.702 λ 118 15 05.451			915.1 (933.4) 140.4 (1404.7)		
*SAN PEDRO, BREAKWATER LIGHTHOUSE, 1913	Quad 331181 STA. 3039		X=	Y=			φ 33 42 30.649 λ 118 15 02.486			944.3 (904.3) 64.0 (1481.0)		
OLD, 1899	Quad 331181 STA. 3020		X=	Y=			φ 33 43 13.250 λ 118 16 56.686			408.2 (1440.3) 1459.5 (85.3)		
SAN PEDRO, COTTON COMPRESS CO., TANK, 1933	Quad 331181 STA. 3041		X=	Y=			φ 33 43 45.914 λ 118 16 36.139			1414.6 (434.0) 930.4 (614.3)		
SAN PEDRO, PIER 232 WATER TANK, 1933	Quad 331181 STA. 3045		X=	Y=			φ 33 44 24.421 λ 118 16 17.862			752.4 (1096.2) 459.8 (1084.7)		
SAN PEDRO, MUNICIPAL WAREHOUSE, PIER 1, TANK, 1920	Quad 331181 STA. 3044		X=	Y=			φ 33 43 16.717 λ 118 16 17.048			515.0 (1333.5) 438.9 (1105.9)		
SAN PEDRO, YMCA, NEON SIGN, 1933	Quad 331181 STA. 3050		X=	Y=			φ 33 44 07.947 λ 118 16 47.012			244.8 (1603.8) 1210.2 (334.3)		
SAN PEDRO, SW SHIP BUILDING CO., TANK, 1920	Quad 331181 STA. 3046		X=	Y=			φ 33 43 57.245 λ 118 16 04.007			1763.7 (84.9) 103.2 (1441.4)		
SAN PEDRO, WEATHER BUREAU TOWER, 1933	Quad 331181 STA. 3047		X=	Y=			φ 33 43 13.707 λ 118 16 15.866			422.3 (1426.2) 408.5 (1136.3)		
COMPUTED BY	A. C. Rauck, Jr.		DATE	10/16/73		COMPUTATION CHECKED BY	F. R. Gustafson		DATE	10/18/73		
LISTED BY			DATE			LISTING CHECKED BY			DATE			
HAND PLOTTING BY			DATE			HAND PLOTTING CHECKED BY			DATE			

*See new field position (Reviewer, Mr. SHANDS, advises that original position was used, rather than the new one provided by the field editor.)
A.C.R.

COMPILATION REPORT

TP-00399

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter. 1:15,000 scale color photography was used. The mean lower low water line was compiled graphically using 1:15,000 scale infrared photography taken at mean lower low water. Color and definition were adequate.

32. CONTROL:

See the Photogrammetric Plot Report, Part II, dated September, 1973.

33. SUPPLEMENTAL DATA:

None.

34. CONTOURS AND DRAINAGE:

Contours are not applicable to the project. Drainage was delineated by office interpretation of the photographs.

35. SHORELINE AND ALONGSHORE DETAILS:

The shoreline and all longshore details were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:

Photograph coverage was sufficient to allow the delineation of San Pedro Breakwater.

37. LANDMARKS AND AIDS:

Copies of Forms 76-40 were forwarded to the field editor for further processing.

38. CONTROL FOR FUTURE SURVEYS:

None.

39. JUNCTIONS:

See Form 76-36b, item #5 concerning junctions.

40. HORIZONTAL AND VERTICAL ACCURACY:

No statement.

46. COMPARISON WITH EXISTING MAPS:

A comparison has been made with USGS Quadrangle, San Pedro, California, dated 1964, scale 1:24,000.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart 5147, 17th edition, dated February 24, 1973, scale 1:18,000.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Albert C. Rauch, Jr. FOR
Charles E. Parker
Cartographic Aid
September 11, 1974

Approved:

Albert C. Rauch, Jr.



June 16, 1978

GEOGRAPHIC NAMES

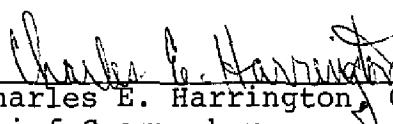
FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00399

Cabrillo Beach	Reeves Field
East Channel	Reservation Point
East San Pedro	San Pedro Bay
Fish Harbor	San Pedro Channel
Los Angeles	Terminal Island
Los Angeles Outer Harbor	Watchorn Basin
Main Channel	West Channel

Approved by:


Charles E. Harrington, C3x8
Chief Geographer

NOAA FORM 75-74
(7-75)U.S. DEPARTMENT OF COMMERCE
NOAA
NATIONAL OCEAN SURVEY

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00399

1. PROJECTION AND GRIDS FM	2. TITLE FM	3. MANUSCRIPT NUMBERS FM	4. MANUSCRIPT SIZE FM
CONTROL STATIONS			
5. HORIZONTAL CONTROL STATIONS OF THIRD-ORDER OR HIGHER ACCURACY NA	6. RECOVERABLE HORIZONTAL STATIONS OF LESS THAN THIRD-ORDER ACCURACY (Topographic stations) NA		7. PHOTO HYDRO STATIONS NA
8. BENCH MARKS NA	9. PLOTTING OF SEXTANT FIXES NA	10. PHOTOGRAMMETRIC PLOT REPORT FM	11. DETAIL POINTS
ALONGSHORE AREAS (Nautical Chart Data)			
12. SHORELINE FM	13. LOW-WATER LINE FM	14. ROCKS, SHOALS, ETC. FM	15. BRIDGES FM
16. AIDS TO NAVIGATION FM	17. LANDMARKS FM	18. OTHER ALONGSHORE PHYSICAL FEATURES FM	19. OTHER ALONGSHORE CULTURAL FEATURES FM
PHYSICAL FEATURES			
20. WATER FEATURES FM	21. NATURAL GROUND COVER NA		22. PLANETABLE CONTOURS NA
23. STEREOSCOPIC INSTRUMENT CONTOURS NA	24. CONTOURS IN GENERAL NA	25. SPOT ELEVATIONS NA	26. OTHER PHYSICAL FEATURES
CULTURAL FEATURES			
27. ROADS FM	28. BUILDINGS FM	29. RAILROADS FM	30. OTHER CULTURAL FEATURES FM
BOUNDARIES			
31. BOUNDARY LINES NA		32. PUBLIC LAND LINES NA	
MISCELLANEOUS			
33. GEOGRAPHIC NAMES FM	34. JUNCTIONS FM		35. LEGIBILITY OF THE MANUSCRIPT FM
36. DISCREPANCY OVERLAY FM	37. DESCRIPTIVE REPORT FM	38. FIELD INSPECTION PHOTOGRAPHS NA	39. FORMS F
40. REVIEWER <i>Frank Margiotta</i> Frank Margiotta 9/24/74		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>Joanne Roderick</i> J. D. Roderick 7/23/75 Reviewer: A.L. Shands 10/2/75		SUPERVISOR <i>Albert C. Rauck, Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS <i>A. L. Shands</i> See Form 76-36C, item 8 Field Inspection Operations, and item 7, and 8 of Field Edit Operations.			

FIELD EDIT REPORT

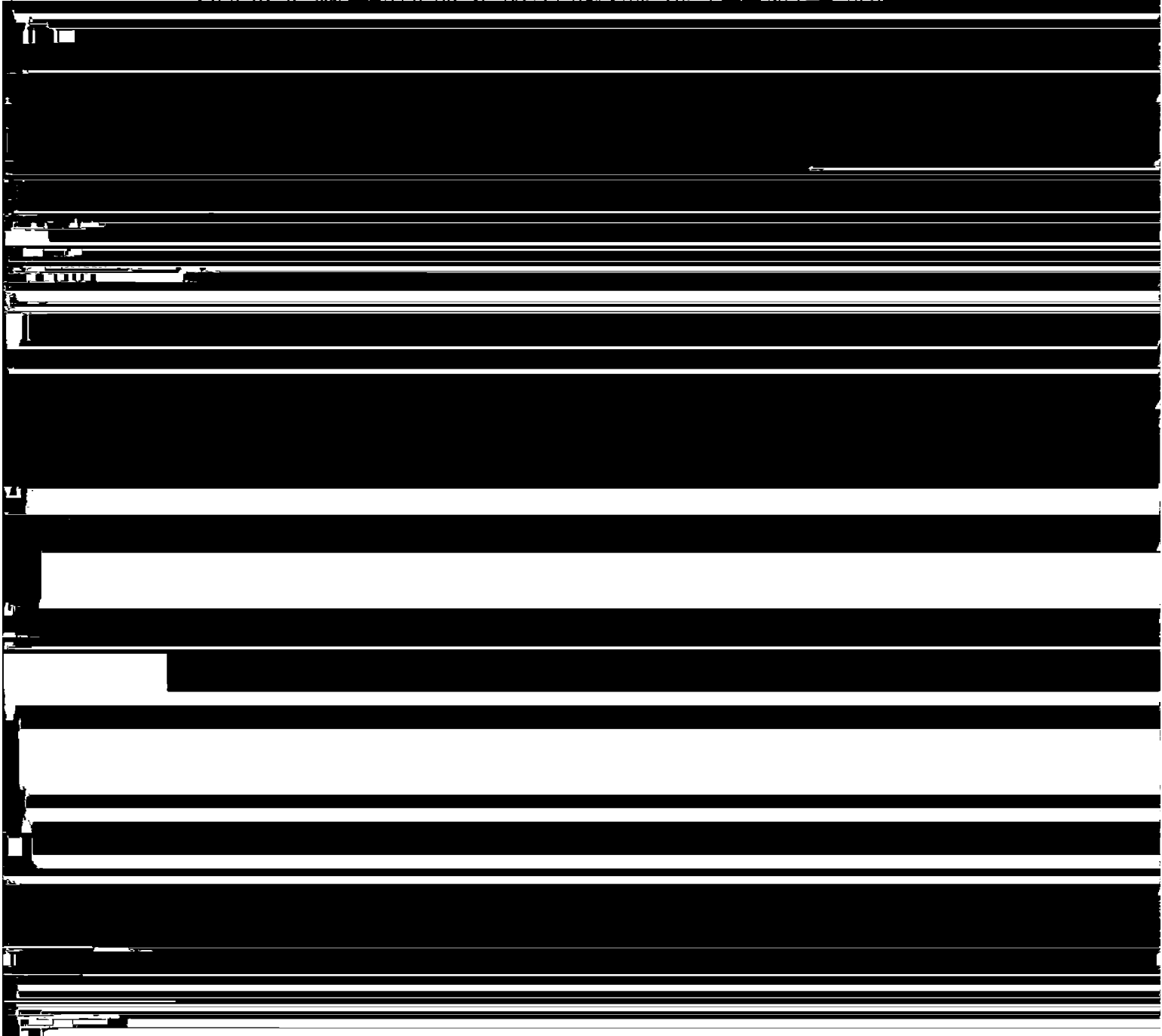
Long Beach and Los Angeles Harbor

Field edit was completed by DAVIDSON during the month of April 1975 on the following seven manuscripts:

TP 00392
TP 00393
TP 00394

TP 00399
TP 00400
TP 00401
TP 00402

Field edit should be considered complete on these sheets with the exception of a small area on TP 00399 outside the Los Angeles Breakwater near



Many of the question asked of the field editor involved locating the shore ends of cable and pipe line crossings. In many cases, these shore ends were not visible because piers or other structures hid them. Those that could be located were. A manuscript was obtained from the Los Angeles Harbor Commission showing all utility and pipeline crossings in the Los Angeles half of the harbor. It is included with the data. It is recommended that the Long Beach Port authorities be contacted for a similar manuscript of the Long Beach half of the harbor.

Submitted

R. D. Hopkins
R. D. HOPKINS
LCDR, NOAA

Approved

R. D. Hopkins
Sr. M. H. FLEMING
CDR, NOAA

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY									
TO BE CHARTED		REPORTING UNIT (If field party, ship or office)		STATE		LOCALITY		DATE		<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)									
TO BE REVISED		Coastal Mapping Div.		California		Dana Point to Point Vicente		July 1972											
TO BE DELETED		A.M.C. Norfolk Va.																	
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.																			
OPR PROJECT NO.		JOB NUMBER		SURVEY NUMBER		DATUM		POSITION		LONGITUDE		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED					
411		Ph-7107		TP-00399				LATITUDE		LONGITUDE		OFFICE		FIELD					
CHARTING NAME		DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)		LATITUDE		LONGITUDE		D.M. Meters		D.P. Meters									
CUPOLA		(San Pedro, Cabrillo Beach Bathhouse, Spire, 1933)	33 42	118 16	58.640	72L(C) 3063	F-V-Vis.	5147											
RADIO MAST		(San Pedro Wireless, 1926)	33 42	118 15	05.451	Mar. 27, 1972	April 1975	5148											
FLAGPOLE			33 43	118 17	08.413	72L(C) 3062													
TANK		(San Pedro, Municipal Warehouse, Pier 1, Tank, 1920)	33 43	118 16	17.048	Mar. 27, 1972													
TANK		(San Pedro, Cotton Compress Co., Tank, 1933)	33 43	118 16	36.139	72L(C) 2908													
STACK			33 43	118 15	57.95	Mar. 24, 1972													
NEON SIGN		(San Pedro, Y.M.C.A., Neon Sign, 1933)	33 44	118 16	47.012	72L(C) 2909													
TANK		(San Pedro, Pier 232, Water Tank, 1933)	33 44	118 16	17.862	Mar. 24, 1972													
TOWER			33 44	118 15	15.26	72L(C) 2910													
TOWER			33 44	118 15	16.43	Mar. 24, 1972													

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS OR LANDMARKS FOR CHARTS										ORIGINATING ACTIVITY									
REPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div. A.M.C. Norfolk, Va.										<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).									
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED										DATE July, 1975									
STATE California										LOCALITY Dana Point to Point Vicente									
SURVEY NUMBER TP-00399										METHOD AND DATE OF LOCATION (See instructions on reverse side)									
CHARTING NAME										CHARTS AFFECTED									
DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses)										OFFICE									
LATITUDE										LONGITUDE									
D.M. Meters										D.P. Meters									
LIGHT	San Pedro East Channel Range Rear Light	33 43	38.16	118 16	31.69	72L(C) 3063	F-4-8-L	5147											
			1175.8		815.9	Mar. 27, 1972	April, 1975	5148											
LIGHT	Fish Harbor Channel Light 5	33 44	01.43	118 16	00.34	72L(C) 2909	"	"											
			44		09	Mar. 24, 1972	"	"											
LIGHT	Fish Harbor Channel Light 6	33 44	01.80	118 15	57.53	"	"	"											
			55.5		1481.0	"	"	"											
LIGHT	Fish Harbor Channel Light 3	33 43	48.91	118.15	52.74	F-V-Vis.	April, 1975	"											
			1507		1358	"	"	"											
LIGHT	Fish Harbor Channel Light 4	33 43	51.12	118 15	50.23	"	"	"											
			1575		1293	"	"	"											
LIGHT	Cabrillo Beach Groin Light	33 42	26.62	118 16	54.77	72L(C) 3062	F-4-8-L	"											
			1436.3		1410.3	Mar. 27, 1972	April, 1975	"											
	*** New field positions.																		
LIGHT	Vincent Thomas Bridge, West Tower Light. ht.=(369 ft.)	33 44	59.33	118 16	22.48		F-3-6-L	18752											
			1827.9		578.5		March, 1976	18751											
LIGHT	Vincent Thomas Bridge, East Tower Light. ht.=(369 ft.)	33 44	56.69	118 16	04.96		"	"											
			1746.5		127.8		"	"											
***	These objects not charted nor listed in 1976 Light List. May be Aero Aids. Correctly shown on 24th ed. of Chart 18151 as TRs. A.L.S. Final Reviewer							14c											

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.										U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION									
NONFLOATING AIDS TO NAVIGATION CHARTS										ORIGINATING ACTIVITY									
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (If field Party, Ship or Office) Coastal Mapping Div. A.M.C. Norfolk, Va.		STATE California		LOCALITY Dana Point to Point Vicente		DATE July, 1975		<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)									
OPR PROJECT NO. 411		JOB NUMBER Ph-7107		SURVEY NUMBER TP-00399		DATUM N.A. 1927		METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED									
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		OFFICE		FIELD									
LIGHT	Los Angeles Channel Light 10	33 43	55.54 1711.3	118 16	16.78 432.0	72L(C) 2909 Mar. 24, 1972	F-4-8-L April, 1975	5147 5148	**										
LIGHT	Los Angeles Channel Light 6	33 43	12.97 400	118 15	57.64 1484	" "	F-3-6-L April, 1975	" "	*										
LIGHT	Los Angeles Channel Light 5	33 43	01.77 55	118 16	07.74 199	72L(C) 3063 Mar. 27, 1972	" "	" "	**										
LIGHT	Los Angeles Light (San Pedro Breakwater Lighthouse, 1913)	33 42	30.656 944.5	118 15	02.452 63.1	72L(C) 3064 Mar. 27, 1972	" "	" "	*										
LIGHT	Los Angeles Main Channel Range Front Light	33 43	15.50 477.4	118 16	13.81 355.6	72L(C) 2909 Mar. 24, 1972	" "	" "	**										
LIGHT	Los Angeles Main Channel Range Rear Light	33 43	17.47 538.2	118 16	17.58 452.7	" "	" "	" "	**										
LIGHT	San Pedro West Channel Approach Range Front Light	33 42	35.85 1104.6	118 16	56.91 1167.5	72L(C) 3063 Mar. 27, 1972	F-4-8-L April, 1975	" "	**										
LIGHT	San Pedro West Channel Approach Range Rear Light	33 42	34.12 1051.3	118 17	04.51 116.1	" "	F-3-8-L F-3-6-L April, 1975	" "	**										
LIGHT	San Pedro West Channel Light 2	33 42	49.34 1520.0	118 16	21.64 557.3	" "	F-4-8-L April, 1975	" "	**										
LIGHT	San Pedro East Channel Range Front Light	33 43	36.41 1121.8	118 16	31.00 797.3	72L(C) 2908 Mar. 24, 1972	" "	" "	**	14d									

REVIEW REPORT

TP-00399

SHORELINE

October 25, 1978

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report. This map was field edited in 1975. The hydrography was not completed until 1977. Some of the differences noted in paragraph 64 are attributable to these facts.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of Unverified Smooth Sheets H-9670 (FA-5-1S-77) and (FA-5-1N-77), H-9671 (FA-5-2S-77), and H-9591-(FA-10-2-76).

The hydro surveys show several shoreline changes and wrecks that are not shown on the map. Also, the wrecks shown on the map at lat. 33 42.6', long. 118 16.7', lat. 33 43.8', long. 118 15.9' and ruins at lat. 33 42.8', long. 118 16.9' are not shown on the hydro surveys. Field edit preceded hydrography by two years. See paragraph 61.

A pile shown on the hydro survey at lat. 33 44.2', long. 118 15.6' is not visible on the photography.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18751, 24 edition, 1:12,000 scale, dated March 18, 1978.

The small building symbolized off the west shore of Fish Harbor, piles located off Carbrillo Beach, at the mouth of West Channel, in Watchorn Basin, in Fish Harbor; Wrecks located in San Pedro Bay and the pier at Fish Harbor west jetty are charted features which do not appear on the photographs and for which no field edit data was submitted. With the exception of the ruins mapped at Cabrillo Beach, none of the ruins shown on the chart are shown on the map. These features are noted on the Chart Maintenance Print.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the Project Instructions and meets the requirements for Bureau Standard and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer

Approved for forwarding:

Bill A. Barn

for Chief, Photogrammetric Branch, AMC

Approved:

John D. Perrow Jr

Chief, Photogrammetric Branch

A. H. Longworth FM
Chief, Coastal Mapping Division

