

TP-00394

TP-00394

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-00394
Classification No. Final .. Edition No. ...1..
Field Edited Map.

LOCALITY

State .. California ..
General Locality .. Dana Point to Point Vicente ..
Locality .. Flood Control Channel ..

1972 TO 1975

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 <u>00394</u> MAP EDITION NO. (1) MAP CLASS Final JOB PH- <u>7107</u>	
DESCRIPTIVE REPORT - DATA RECORD				LAST PRECEEDING 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 Division Norfolk, Va.				OFFICER-IN-CHARGE Jeffrey G. Carlen, CDR			
I. INSTRUCTIONS DATED							
1. OFFICE				2. FIELD			
Aerotriangulation May 17, 1971 Compilation Nov. 5, 1971 Compilation, Supp. I Oct. 9, 1973 Amendment 1 Oct. 30, 1973 Amend. 1 to Supp. 1 Jan. 28, 1974				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)			
3. MAP PROJECTION Polyconic				4. GRID(S) STATE California ZONE 6			
5. SCALE 1:5,000				STATE ZONE			
III. HISTORY OF OFFICE OPERATIONS							
OPERATIONS				NAME		DATE	
1. AEROTRIANGULATION METHOD: Analytic				I. D. Raborn		Sep 1973	
LANDMARKS AND AIDS BY							
2. CONTROL AND BRIDGE POINTS METHOD: Coradomat				Allen		Sep 1973	
PLOTTED BY				Allen		Sep 1973	
CHECKED BY				G. R. Vanderhaven		Nov. 1973	
3. STEREOSCOPIC INSTRUMENT COMPILATION				A. L. Shands		Nov 1973	
INSTRUMENT: Wild B-8				NA			
SCALE: 1:7,500				NA			
4. MANUSCRIPT DELINEATION				G. R. Vanderhave, C. Blood		Aug 1974	
PLANIMETRY BY				F. Margiotta		Aug 1974	
CHECKED BY				NA			
METHOD: Smooth Drafted				NA			
CONTOURS BY				C. Blood		Aug 1974	
CHECKED BY				F. Margiotta		Aug 1974	
SCALE: 1:5,000				F. Margiotta		Aug 1974	
HYDRO SUPPORT DATA BY				David Butler		Jul 1975	
CHECKED BY				A. L. Shands		Oct 1975	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT				A. L. Shands		Oct 1975	
BY				A. L. Shands		Sep 1978	
6. APPLICATION OF FIELD EDIT DATA				A. L. Shands		Nov 1978	
CHECKED BY				A. K. Heywood		Feb 1980	
7. COMPILATION SECTION REVIEW				E. L. DAUGHERTY		Jun 1980	
BY							
8. FINAL REVIEW							
BY							
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH							
BY							
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH							
BY							
11. MAP REGISTERED - COASTAL SURVEY SECTION							
BY							

TP-00394
COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "L"		TYPES OF PHOTOGRAPHY LEGEND (C) COLOR (P) PANCHROMATIC (I) INFRARED		TIME REFERENCE	
TIDE STAGE REFERENCE <input checked="" type="checkbox"/> PREDICTED TIDES <input type="checkbox"/> REFERENCE STATION RECORDS <input type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
72L(C) 2895-2897	3/24/72	14:46	1:15,000	0.8 ft. above MLLW	
72L(C) 2915	3/24/72	15:00	1:15,000	1.2 ft. above MLLW	

REMARKS

2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled from the above listed photographs.

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

The mean lower low water line was compiled using the above listed 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
No survey	TP-00395	TP-00401	TP-00393

REMARKS

TP-00394

HISTORY OF FIELD OPERATIONS

I. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Mar 1972
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Mar 1972
	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 None	
	IDENTIFIED BY None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION <input type="checkbox"/> COMPLETE <input type="checkbox"/> SPECIFIC NAMES ONLY BY <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 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: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE		6. BOUNDARY AND LIMITS: <input type="checkbox"/> REPORT <input checked="" type="checkbox"/> NONE	
7. SUPPLEMENTAL MAPS AND PLANS None			
8. OTHER FIELD RECORDS (Sketch books, etc. DO NOT list data submitted to the Geodesy Division) None			

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 Lt. CDR. IDENTIFIED BY R. Hopkins Lt. CDR.	Apr 1975 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 None	
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)

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 field edit ozalid and Field Edit Report, 4 Forms 76-40 and matte
ratio photo 72L(C) 2914

TP-00394
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	Aug 1974	Class III manuscript superseded	10/11/74	9/30/74
Field edit applied Compilation complete	Jul 1975	Class I manuscript	6/7/76	
Final Review	Sep 1975	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
1		5/24/76	Landmarks to be deleted

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: May 24, 19763. ☐ 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 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	

SOUNDINGS IN FATHOMS AT MEAN LOWER LOW WATER

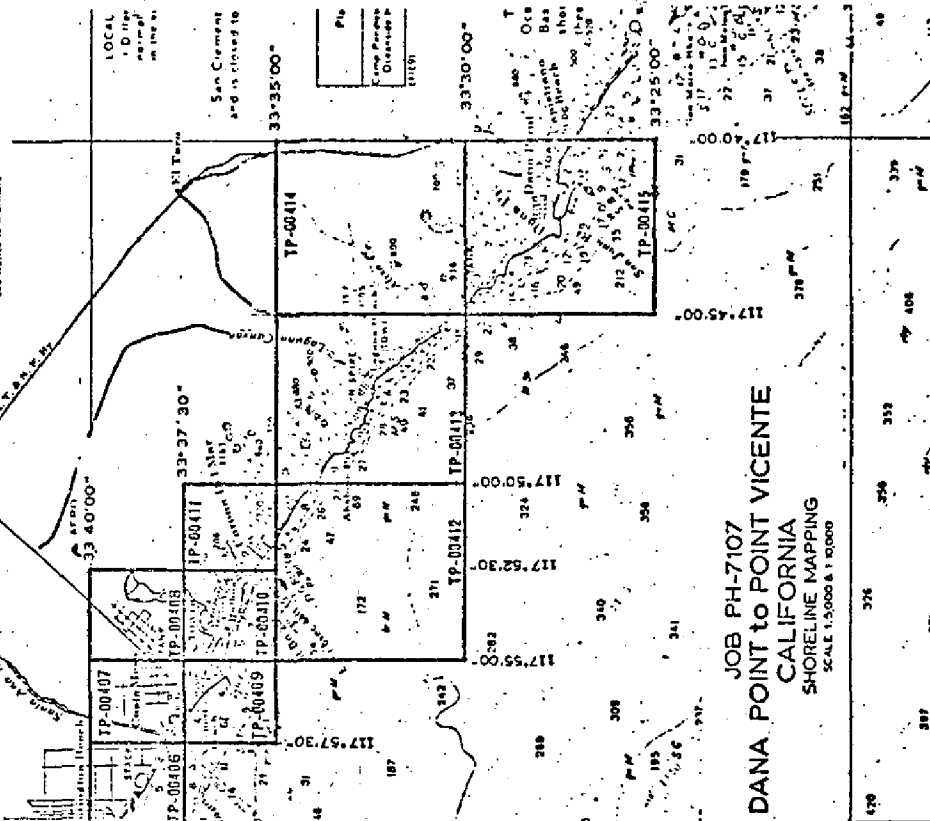
NOTE 8

Navigation regulations are published in Chapter 2, Coast Pilot 7, or subsequent yearly supplements and are available to Mariners. Copies of the regulations may be obtained at the office of the District Engineer, Corps of Engineers in Los Angeles, Calif. or the office of the Commander, 11th Coast Guard District in San Diego, Calif. 33°45'00" 117°45'00"

NOTE C

SUBMARINE TRANSIT LINES
Times of submarine transit will be published in the Elevation Coast Guide (Landing Beach, California) Local Notice to Mariners. 5° and 6° are requested not to be submerged objects across transit lines on any

CAUTION
Transit lines are shown on this chart for information only. They are not to be used for navigation.



JOB PH-7107
DANA POINT TO POINT VICENTE
CALIFORNIA
SHORELINE MAPPING
SCALE 1:5000 & 1:10000

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 TP-00392⁷ 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.

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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 identification 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 B-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

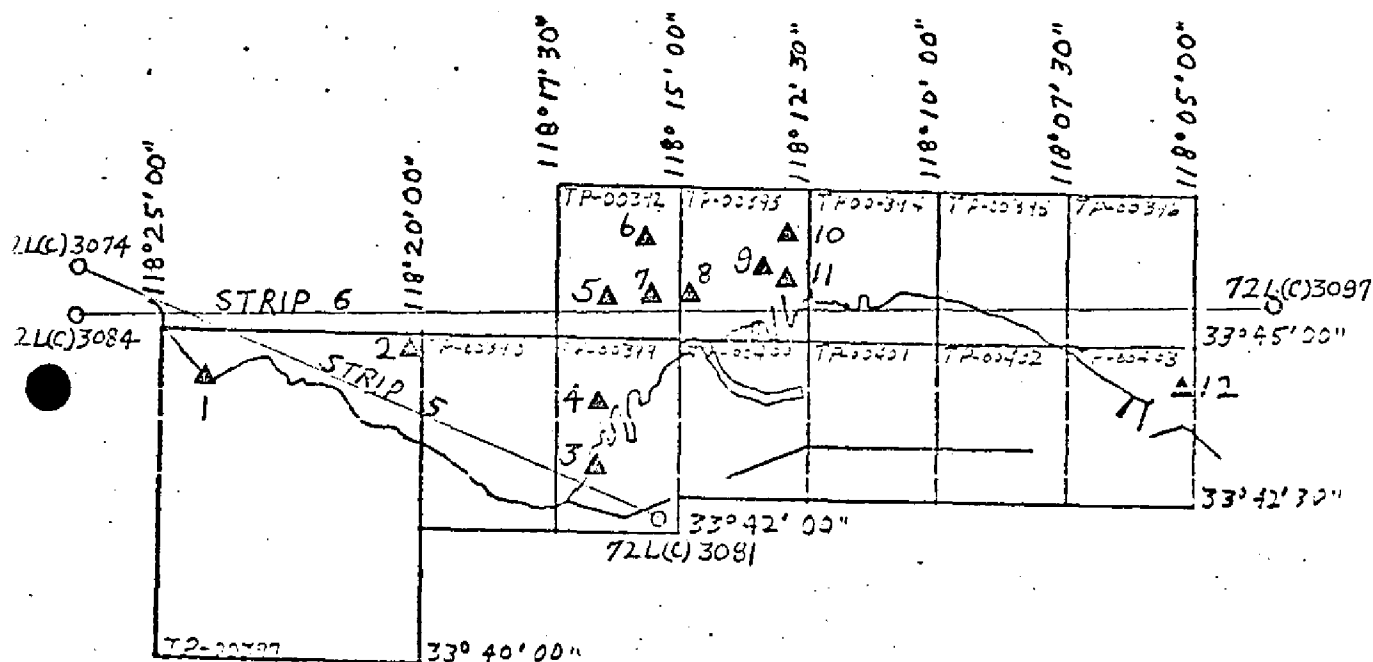
Approved and forwarded:

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

PHOTOGRAMMETRIC PLOT REPORT

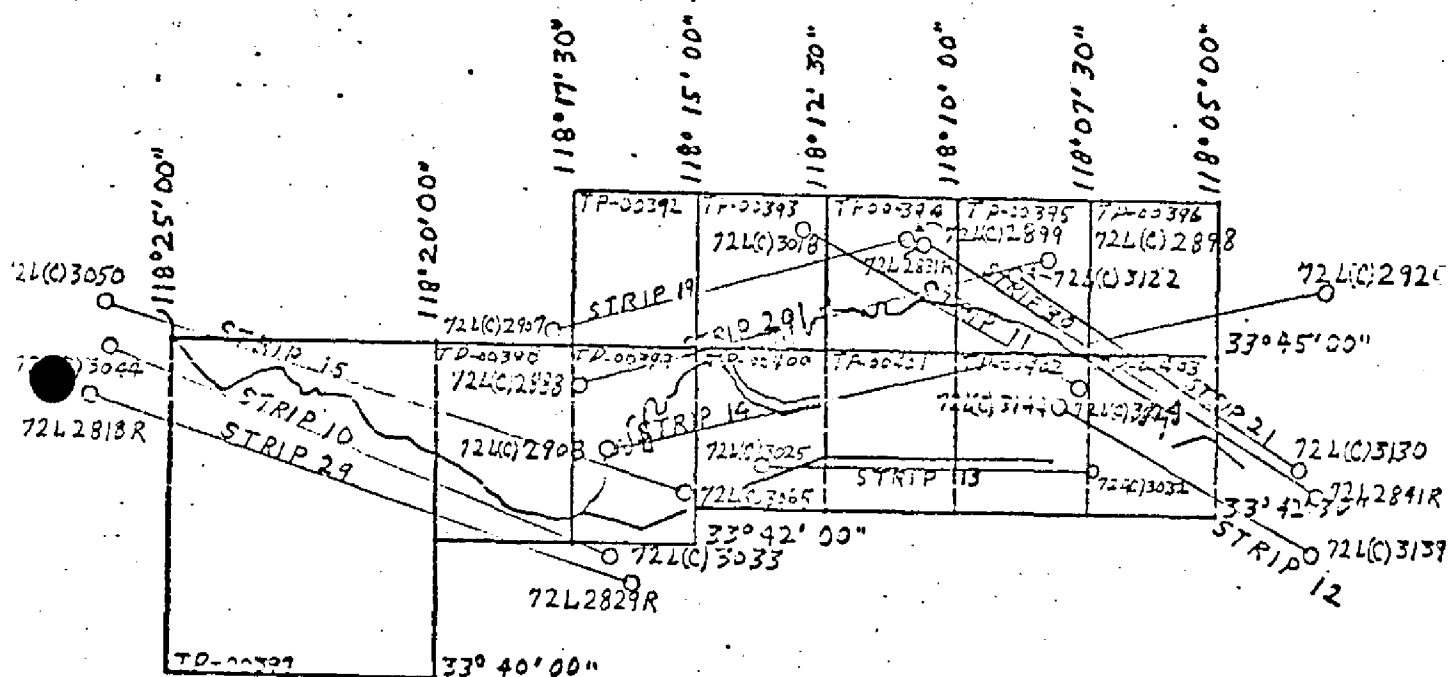
Part 2.

Dana Point to Point Vicente

California

Job PH-7107

August 1973



Sketch #2

DESCRIPTIVE REPORT CONTROL RECORD

MAP NO. TP-00394	JOB NO. PH-7107	SOURCE OF INFORMATION (Index)	AEROTRI- ANGULATION POINT NUMBER	GEODETTIC DATUM NA 1927		COORDINATES IN FEET STATE California ZONE 6		GEOGRAPHIC POSITION φ LATITUDE λ LONGITUDE		ORIGINATING ACTIVITY Coastal Mapping Division, Norfolk, Va.	
				x=	y=	x=	y=	φ	λ	FORWARD	BACK
LONG BEACH, VILLA RIVIERA HOTEL, TOWER, 1932	Quad 331181 STA 1036			x=		φ	33 45 57.179			1761.7	(86.9)
				y=		λ	118 10 54.237			1395.7	(148.3)
LONG BEACH, BREAKERS HOTEL, TOWER, 1932	Quad 331181 STA 1031			x=		φ	33 45 59.324			1827.8	(20.8)
				y=		λ	118 11 22.544			580.1	(963.8)
LONG BEACH, CLOCK TOWER, 1920	Quad 331181 STA 1032			x=		φ	33 46 05.589			172.2	(1676.4)
				y=		λ	118 11 29.827			767.5	(776.4)
LONG BEACH, OCEAN CENTER, TOWER, 1932	Quad 331181 STA 1044			x=		φ	33 45 59.061			1819.7	(28.9)
				y=		λ	118 11 30.012			772.3	(771.7)
				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. Ruick, Jr.			905/12/73	COMPUTATION CHECKED BY F. R. Gustafson				DATE 10/17/73			
LISTED BY			DATE	LISTING CHECKED BY				DATE			
HAND PLOTTING BY			DATE	HAND PLOTTING CHECKED BY				DATE			

COMPILATION REPORT

TP-00394

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter.

Photo coverage was 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 mean high water line and all alongshore details were delineated by office interpretation of the photographs.

36. OFFSHORE DETAILS:

The photography was of sufficient scale and quality to allow for the complete delineation of Island Grissom.

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 the 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 Long Beach, CA, scale 1:24,000, dated 1964.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart 18302, scale 1:18,000, dated February 24, 1973.

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Charles E. Blood
Charles E. Blood
Cartographic Technician
August 15, 1974

Approved:

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

ADDENDUM TO THE COMPILATION REPORT

TP-00394

FIELD EDIT

In the "NAVY LANDING" ($33^{\circ}45'45''$, $118^{\circ}11'45''$) off of the Los Angeles River, the field editor located 3 new docks on the paper ozalid; but then neglected to cross reference with any type of position fix or measurements required for proper delineation. The docks were therefore transferred directly from the paper ozalid.

The field editor also located a parking area ($33^{\circ}45'45''$, $118^{\circ}11'00''$). But again failed to cross reference with any kind of boundaries or limits. Nothing was mentioned anywhere else in the field edit report, on the ozalids or photographs; therefore, the limits could not be delineated.

Two Day Beacons: "A" and "B", located at the mouth of the Flood Control Channel were not located by this office or the field editor; and they are not visible on the photographs.

Daniel Butler
CARTO. TECH.

June 15, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00394

Basin Six

Channel Three

East Basin

Flood Control Channel

Island Grissom

Long Beach (locality)


Queensway Bay

San Pedro Bay

Southeast Basin

Southern Pacific (RR)

Approved by:


Charles E. Harrington, JC3x8
Chief Geographer

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

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00394

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	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 ALS	10. PHOTOGRAMMETRIC PLOT REPORT FM	11. DETAIL POINTS FM
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 FM
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 FM
40. REVIEWER F. Margiotta Aug. 1974		SUPERVISOR, REVIEW SECTION OR UNIT 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 David P. Butler 7/16/75		SUPERVISOR Albert C. Rauck, Jr.	
Reviewer: A.L. Shands 10/20/75		Albert C. Rauck, Jr.	
43. REMARKS See form 76-36C, Item 8, Field Edit Operation.			

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 00399
TP 00393	TP 00400
TP 00394	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 Point Fermin. Heavy weather precluded proper verification of the ledge shown on the manuscript. The FAIRWEATHER is scheduled to conduct hydrography in that area in the fall of 1975 and plans to delineate this ledge using hydrographic methods. The office compilation of these manuscripts is very good. All questions have been answered and changes are shown in purple ink on the discrepancy ozalids and photographs.

Prior to conducting the field edit, DAVIDSON located many of the important landmarks and navigation aids within the harbor to 3rd order geodetic standards. The harbor area has experienced some horizontal shifting in recent years caused by the depletion of the underlying oil fields. Movements of as much as 3 meters were found. A copy of this report along with completed forms 76-40 giving new positions is included in the appendix. Many of the landmarks located by geodetic means were also listed on the forms 76-40 originated by AMC. References are noted on AMC's forms. In general, the photogrammetrically derived positions agreed quite well with DAVIDSON's horizontal control work.

Field Inspection

The photographs and discrepancy ozalids were taken into the field for verification. Our success at photo identification was poor, partly because of the inexperience of the officer conducting the field inspection and partly because pass points on the photographs obliterated many of the objects to be identified. Most positions were located by three point sextant fix with check angle. G.P.'s of both the fix and check fix were computed on the PDP 8e computer using the geodetic resection program RK-410. A listing of these verified G.P.s by fix number is included in the appendix. Each G.P. listed has been double checked and should be considered accurate. An abstract, by fix number, of the raw field data is also included for reference. It should be noted that not all the fixes listed apply to the field edit of these seven manuscripts. This list is a compilation of field edit fixes and other fixes relating to OPR-511 Chart Adequacy Survey field work - much of which overlap.

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
for 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 FOR CHARTS									
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		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)									
OPR PROJECT NO. 411		JOB NUMBER Ph-7107		SURVEY NUMBER TF-00394		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	Long Beach Pier A Light	33 45	15.09 465	118 12	01.59 41	72L(C) 2895 Mar. 24, 1972	F-V-Vis. April 1975	18302 18323											
LIGHT	Naval Landing Entrance Light	33 45	40.73 1255	118 11	54.60 1405	"	"	"											
MARKER (Lighted)		33 45	33.71 1039	118 10	54.99 1415	F-4-8-L April 1975	"	"											
MARKER (Lighted)	Marker with horn	33 45	31.05 957	118 10	50.62 1303	"	"	"											
MARKER (Lighted)		33 45	37.26 1118	118 10	50.57 1301	"	"	"											
MARKER (Lighted)		33 45	32.96 1016	118 10	43.90 1130	"	"	"											
LIGHT	Quick flashing red light- 210 feet high on top of building.	33 45	01.69 52	118 12	27.62 711	F-3-6-L April 1975	"	18337											
** Note: These aids are not listed																			
in the 1975 or 1976 Light Lists.																			
LIGHT	Navy Landing West Light	33 45	41.67 1284	118 11	56.97 1466	72L(C) 2895 Mar 24, 1972	Not in place at time of edit	18751 18749											

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REVIEW REPORT
TP-00394

SHORELINE


September 21, 1978

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

According to the field editor, Navy Landing West Light was not in place at the time he visited the area. The Light List indicates that it has been in continuous existence since 1960. The compilation office forwarded a deletion form (76-40) to charts for the light. That form is not included with this Descriptive Report. The light appears on the photographs and was added to the map during final review.

No positions were submitted for Los Angeles River Daybeacons A & B. They are not visible on the photography and are not shown on the map.



aid. It is not shown on the chart.

The overhead cable shown on the chart south of the Amusement Park and Municipal Auditorium is not visible on the photography. The field editor made no mention of it.

Los Angeles River Daybeacons A & B are not visible on the photography. The field editor submitted no positions and they are not shown on the map.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands

A. L. Shands
Final Reviewer

Approved for forwarding:

Billy H. Barn
for
Chief, Photogrammetric Branch, AMC

Approved:

John D. Perraw Jr.
Chief, Photogrammetric Branch

AK Jensen for
Chief, Coastal Mapping Division

RECORD OF APPLICATION TO CHARTS

TP00394

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

INSTRUCTIONS

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

1. Letter all information.
2. In "Remarks" column cross out words that do not apply.
3. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.

[illegible]