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
Field Edited Map
LOCALITY
California State
General Locality . Dana Point to Point Vicente
Locality Los Angeles Outer Harbor
••••••••••••••••••••••••••••••
19 72 TO 19 75
<u></u>
REGISTRY IN ARCHIVES
DATE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NOAA FORM 76-36A U. (3-72) NATIONAL OCE	S. DEPARTMENT OF COMMERCE ANIC AND ATMOSPHERIC ADMIN.	Т	YPE OF SURVEY	SURVEY	тр. <u>00399</u>
}		ΧEΩ	ORIGINAL	MAP EDITI	on no. (1)
DESCRIPTIVE DEPON	T D.T. DECODD		RESURVEY	MAP CLAS	,
DESCRIPTIVE REPOR	I - DATA RECORD	1 -			7107
PHOTOGRAMMETRIC OFFICE			REVISED	JOB	PH
Coastal Mapping Division	t .	_	LAST PRECEED		
Norfolk, Va.		ٔ ا	YPE OF SURVEY ORIGINAL		PH
OFFICER-IN-CHARGE			RESURVEY	SURVEY D	
Jeffrey G. Carlen, Cdr		0	REVISED	19TO 1	·
I. INSTRUCTIONS DATED					
1. OFFI	CE		2.	FIELD	
Compilation	Nov 5, 1971				· · · · · · · · · · · · · · · · · · ·
Supplement 1	Oct 9, 1973	l	Premarking		March 1, 197
Amendment 1	Oct 30, 1973		Premarking		
Amend. 1 to Supp. 1	Jan 28, 1974		Supplement	I Fe	b. 25, 1972
Aerotriangulation	Aug 17, 1971	1			ŕ
		İ			
II. DATUMS					·
		ОТНЕ	R (Specify)		
I. HORIZONTAL:	1927 NORTH AMERICAN		<u>.</u>		·
₩X	MEAN HIGH-WATER	OTHE	R (Specify)		
2. VERTICAL:	MEAN LOW-WATER	ĺ			
\ <u>\</u>	MEAN LOWER LOW-WATER MEAN SEA LEVEL			•	
3. MAP PROJECTION			4. (GRID(S)	
		STAT		ZONE	
Polyconic			lifornia	6	<u></u> -
5. SCALE 1:5,000		STAT	E	ZONE	
III. HISTORY OF OFFICE OPERATION	NS.	<u> </u>		<u> </u>	
OPERAT	ONS		NAME		DATE
1. AEROTRIANGULATION	ВУ	I.	D. Raborn		Sep 1973
METHOD: Analytic 2. CONTROL AND BRIDGE POINTS	LANDMARKS AND AIDS BY		A 1.1 a.m.		Sep 1973
METHOD: Coradomat	PLOTTED BY Checked by		Allen Allen		Sep 1973
3. STEREOSCOPIC INSTRUMENT	PLANIMETRY BY	c.	Parker		Dec 1973
COMPILATION	CHECKED BY	Α.	L. Shands		Dec 1973
INSTRUMENT: Wild B-8	CONTOURS BY	NA			<u> </u>
scale: 1:7,500	CHECKED BY	NA C			0 107/
4. MANUSCRIPT DELINEATION	PLANIMETRY BY CHECKED BY		Parker Margiotta		Sep 1974 _ Sep 1974
Smooth Draft		NA	naigiotta		3CD 1914
METHOD:	CHECKED BY	NA			
1;5,000	HYDRO SUPPORT DATA BY		<u>Parker</u>		Sep 1974
	CHECKED BY		Margiotta		Sep 1974
5. OFFICE INSPECTION PRIOR TO F	ELD EDIT BY		Margiotta		Sep 1974
6. APPLICATION OF FIELD EDIT DA	TA CHECKED BY		Roderick Shands		Jul 1975 Nov 1975
7. COMPILATION SECTION REVIEW	BY		L. Shands		Nov 1975
8. FINAL REVIEW	ВҮ	A٠	L. Shands		Oct 1978
9. DATA FORWARDED TO PHOTOGRA			L. Shands		Nov 1978
10. DATA EXAMINED IN PHOTOGRAMM	····	<u> A</u> .	K. Heywood	 .	Feb 1980
11. MAP REGISTERED - COASTAL SUF	ERSEDES FORM C&GS 181 SERIES	FI	L. DAUGHERTY		JUN 1980
			a H.S. G.P.	0. 1972-76	9382/582 REG.#6

NOAA FORM 76-36B (3-72)

U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
TP-00399
NATIONAL OCEAN SURVEY

COMPILIATION SOURCES

	_	_		MFILATIO	14 3001					
1. COMPILATION PHO	TOGRAPH	,	-							
CAMERA(S) Wild RC-	-8 '',''	•		TYPE	S OF PHO	TOGRAPHY ND		TIMI	E REFERE	NCE
TIDE STAGE REFERE	NCE	RDS		(C) COI	-OR NCHROMA	ATIC	zone Paci Merio			XXSTANDARD
X TIDE CONTROLLE	ротона о	RAPHY		(I) INF	RARED.		120t			DAYLIGHT
NUMBER AND	TYPE		DATE	TIME		SCALE		ST.	AGE OF T	DE
72L(C) 2889 *72L 2828 - 72L(C) 2908- 72L(C) 3062- 72L(C) 3034	-2910	3, 3,	/24/.72 /24/72 /24/72 /27/72 /27/72	14:46 11:37 15:00 08:42 08:35	:	1:15,000 1:15,000 1:15,000 1:15,000	$\begin{array}{c c} 0 & 0.2 \\ 0 & 1.2 \\ 0 & 4.7 \end{array}$	ft. ft. ft.	above below above above above	MLLW MLLW MLLW
REMARKS										
		igh wa		e was co	mpilec	frommthe	e above	list	ed colo	or
int	ie mean	lower tion (low wate	er line	was co	mpiled fi de contro			ed	
4. CONTEMPORARY	HYDROGRA	PHIC SUR	RVEYS (List	only those su	irveys the	t are sources f	or photogran	metric	survey info	ormation.)
SURVEY NUMBER	DATE(S)		SURVEY CO	PY USED	SURVE	NUMBER	DATE(S)		SURVEY	COPY USED
C FINAL UNICTIONS			 		L		I		l	
5. FINAL JUNCTIONS	<u></u>	EAST			SOUTH			WEST		
TP-00392		TH	-00400		1	survey			P-00398	3
REMARKS		·			L			L		

NOAA FORM 76-36C (3-72)			'-00399 F FIELD (NATIONAL OCEA	U.S. NIC AND AT		T OF COMME Administra Ocean suf
I. XX FIELD INSPE	CTION OPE		 _	EDIT OPERATION	<u>.</u>	-	
	OP	ERATION			NAME		DATE
I. CHIEF OF FIELI	PARTY			D D Malla			
	_ 	RECOV	ERED BY	R. B. Melb			Mar 19
. HORIZONTAL CO	ONTROL		ISHED BY	None			
		PRE-MARKED OR IDENT	TIFIED BY	L. Riggers			Mar 197
		RECOV	FRED BY	None			
, VERTICAL CON	FROL	ESTABL	ISHED BY	None			
		PRE-MARKED OR IDENT	TIFIED BY	None			
	R	ECOVERED (Triangulation St.	ations) By	None			
LANDMARKS AN AIDS TO NAVIGA		LOCATED (Field Me	ethods) BY	None			
		·	TIFIED BY	None		·	
		TYPE OF INVESTIGAT	TION	;			
GEOGRAPHIC NATION INVESTIGATION		COMPLETE SPECIFIC NAMES	ВУ			~	
		YY MY NO INVESTIGATION					
. PHOTO INSPECT		CLARIFICATION OF DE		None			
BOUNDARIES AN		SURVEYED OR IDENT		NA	·		
SOURCE DATA	D LIMIT O	JON TOTAL		2112		_	<u> </u>
. HORIZONTAL CO	ONTROL IDE	NTIFIED		2. VERTICAL COM	ITROL IDEN	TIFIED	
PHOTO NUMBER		STATION NAME		PHOTO NUMBER	5	TATION DESIG	NATION
72L(C)3080	OLD,	1899	,				
B. PHOTO NUMBER	IS (Clarificati	on of details)			-		<u> </u>
N	one						
· · · · · · · · · · · · · · · · · · ·		AVIGATION IDENTIFIED	- <u>-</u>				
N	one						
PHOTO NUMBER		OBJECT NAME	 ,	PHOTO NUMBER		OBJECT NA	<u>——————</u>
5. GEOGRAPHIC N	AMFS.	□ REPORT XX NON		6 BOUNDARY AN	D I IMITE:	□ Brilloot	XX NOV
7. SUPPLEMENTAL				6. BOUNDARY AN	O C (MI / 5)	REPORT	ХХ иои
	<u> </u>	· · · · -					
	one						
		etch books, etc. DO NOT list	data submitt	ed to the Geodesy D	ivision)		
1	-form 15	2 C.S.I., 1-form	277 "Ti	des"			
				,			

-72)	•	TP-00399 HISTORY OF FIELD	NATIONAL OCEANIC AN	J. S. DEPARTMENT OF COMM D ATMOSPHERIC ADMINISTR NATIONAL OCEAN SU
. T FIELD INSPI	ECTION OPER		D EDIT OPERATION	i .
		RATION	NAME	DATE
, CHIEF OF FIEL			M.Fleming,CDR.	
		RECOVERED BY	None	
. HORIZONTAL C	ONTROL	ESTABLISHED BY	None	
		PRE-MARKED OR IDENTIFIED BY	None	
		RECOVERED BY	None	
VERTICAL CON	TROL	ESTABLISHED BY	None	
		PRE-MARKED OR IDENTIFIED BY	None	
<u></u>	RE	COVERED (Triangulation Stations) BY	None	
LANDMARKS AN		LOCATED (Field Methods) BY	R. Hopkins	Apr 197
AIDS TO NAVIG	ATION	IDENTIFIED BY	None	
		TYPE OF INVESTIGATION		
. GEOGRAPHIC N	AMES	COMPLÉTE		
INVESTIGATION	1	SPECIFIC NAMES ONLY		
		NO INVESTIGATION		
PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	R. Hopkins	Apr 19
BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED BY	NA	
SOURCE DATA				
HORIZONTAL C	ONTROL IDEN	TIFIED	2. VERTICAL CONTROL	IDENTIFIED
	None		None	
HOTO NUMBER		STATION NAME	PHOTO NUMBER	STATION DESIGNATION
. PHOTO NUMBE	•	•	·	
	72L(C)	3063		
. LANDMARKS AI	ND AIDS TO NA	VIGATION IDENTIFIED		
	None			
PHOTO NUMBER	 .	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
i. GEOGRAPHIC N	AMES: [REPORT XX NONE	6. BOUNDARY AND LIMIT	S: REPORT XX NO
. SUPPLEMENTA Blue line		ort of Los Angeles, Pipe	s and Utilities C	rossing Channels."
				_
1Fied Ed:	it Ozalid	with Field Edit Report, 72L(C) 3063 (cronapaque	l-List of Abstra	

NOAA FORM 76-36D (3-72) U. S. DEPARTMENT OF COMMERCE
OO399

TP:00399

RECORD OF SURVEY USE

		RECU	RD OF SURVE	1 035				
I. MANUSC	RIPT COPIES							
	со	MPILATION STAGE	s			DATE MANUSCE	RIPT FORWARD	DED
J	DATA COMPILED	DATE	RE	MARKS		MARINE CHARTS	HYDRO SUPI	PORT
-	ation complete g field edit	Sep 1974	Class III supers		Lpt .	Oct 11 197	4 Oct 11	1974
	edit applied. ation complete.	Jul 1975	Class I ma	nuscript	-	Jun 7 1976		
Final	Review	Oct 1978	Final			Nov 1978		
						,		
II. LANDM	ARKS AND AIDS TO NAVIGA	TION					<u></u>	
I. REP	ORTS TO MARINE CHART D	VISION, NAUTICAL	DATA BRANCH					
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED			REM	ARKS		
, 1		5/24/76	Aids to h	e charte	eđ.			
1		5/24/76	Landmarks	to be c	harte	ed		
	REPORT TO MARINE CHART REPORT TO AERONAUTICA							
III. FEDEI	RAL RECORDS CENTER DAT	Α						
2. XX	BRIDGING PHOTOGRAPHS; CONTROL STATION IDENTI SOURCE DATA (except for G	FICATION CARDS;	XX FORM NO	sXXXXX SUBMIT	TTED BY	Y FIELD PARTIES		
<u>د.</u> (غيا	ACCOUNT FOR EXCEPTION		policy no with each			, , , , , , , , , , , , , , , , , , , ,		
4. 🗆	DATA TO FEDERAL RECOR	ROS CENTER. DAT	E FORWARDED:				_	
IV. SURVI	Y EDITIONS (This section s	hall be completed e.	ech time a new ma,	p edition is re	gistered	i)		
" '	SURVEY NUMBER	JOB NUMBE	*		_	TYPE OF SURVEY		
SECOND	TP -	(2) PH			RE		SURVEY	•
EDITION	DATE OF PHOTOGRAPH			□ıı.		MAP CLASS	☐ FINAL	
	SURVEY NUMBER	JOB NUMBE	R		_	TYPE OF SURVEY		
THIRD	TP -	(3) PH-	ELD EDIT		∟ RE¹	VISED LIRE MAP CLASS	SURVEY	
EDITION					<u>□</u> m.		FINAL	
	SURVEY NUMBER	JOB NUMBE	R		_	TYPE OF SURVEY		
FOURTH	DATE OF PHOTOGRAPH	(4) PH -	ELD EDIT		RE	VISED LJRE MAPCLASS	SÜRVÉY	j
EDITION				□n.	□ш.		FINAL	

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-0039% 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 Rock-ville 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 classification 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 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,

Ivev O. Raborn

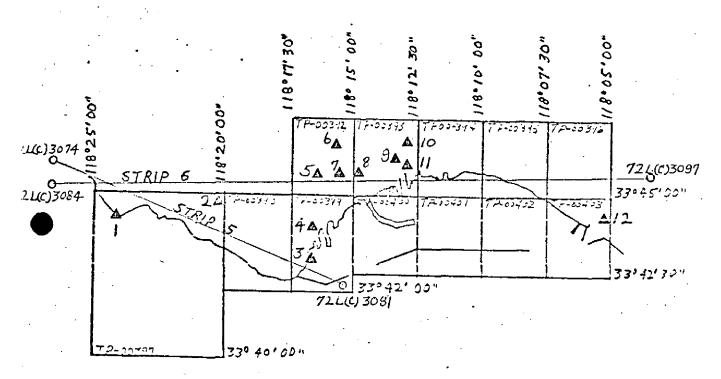
Approved and forwarded:

Wohn 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.

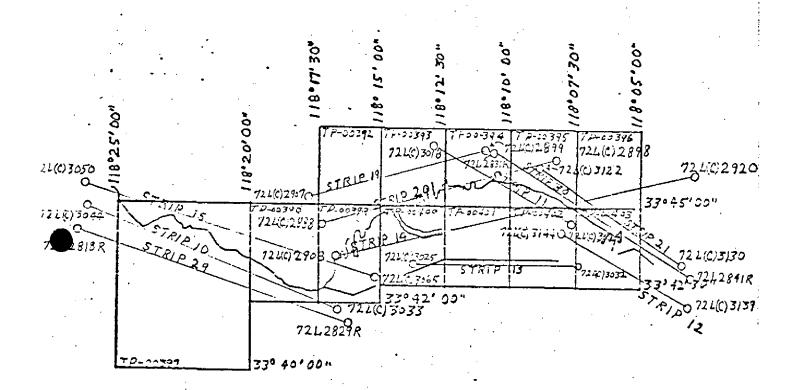
PHOTOGRAMMETRIC PLOT REPORT Part 2 Dana Point to Point Vicente California : Job PH-7107 August 1973



- Vicente, 1951
- Verdes, 1963, Sub pt.
- 3. Old, 1399, Sub pt.
- San Pedro Cotton Compress Co. Tank, 1933 4.
- San Pedro Pacific Coast Borax Co. Stack, 1933 5.
- Wilmington, Smart & Final Co. Warehouse Tank, 1933 6.
- 7. Medora 1972
- Wilmington Berth 176-177 Water Tank, 1933
- Long Reach Red Rand Steel Tank, 1920 9.
- 10. Long Beach Procter & Gamble Water Tank, 1933
- Long Beach Red Band Steel Tank , 1920, Sub pt. 11.
- B.M. N 766, 1956, Sub pt. 12.

PHOTOGRAMMETRIC PLOT REPORT
Part 2.

Dana Point to Point Vicente
California
Job PH-7107
August 1973



77 77 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -							
(6-75)			, C		U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	DEPARTMENT	OF COMMERCE DMINISTRATION
		DESCRIPTIVE	E KEPURI CONTROL RECORD				
MAP NO.	JOB NO.		GEODETIC DATUM		ORIGINATING ACTIVITYCOASTAL	iryCoastal	Mapping
TP-00399	PH-7107		NA 1927		Division, Nor	Norfolk, Va.	
		AEROTRI-	COORDINATES IN FEET	GEOGRAPHIC POSITION	OSITION	 	
STATION NAME	INFORMATION	ANGULATION	srare California		LATITUDE	RE	REMARKS
		NUMBER	ZONE 6	γ το	LONGITUDE	FORWARD	BACK
SAN PEDRO, CABRILLO BEACH			አ።	φ 33 42	34.459	9.1901	(6.987)
HHOUSE, SPIRE, 19	331181 STA. 3040		y=	λ 118 16	58.640	1510.0	(35.0)
	Quad		±%	ф 33 42	29.702	915.1	(933.4)
SAN PEDRO, WIRELESS, 1926	33 183049	-	£=:	λ 118 15	05.451	140.4	(1404.7)
*CAN DEDO DEAVINATED	Quad		χ=	ф 33 42	30.649	944.3	(904.3)
THOUSE,	STA. 3039		y=	λ 118 -15	02.486	0.49	(1481,0)
0001 010	Quadaı		χ=	ф 33 43	13.250	408.2	(1440.3)
	STA. 3020		y=	λ 118 16	56.686	1459.5	(85.3)
	Quad		χ=	ф 33 43	45.914	1414.6	(434.0)
COMPRESS CO., TANK, 1933	331183041		η=	λ 118 16	36.139	930.4	(614.3)
ΡI	31		-X	φ 33 44	24.421	752.4	(1096.2)
WATER TANK, 1933	STA. 3045		<i>ή=</i>	λ 118 16	17.862	459.8	(1084.7)
MUNIC	Quad		χ=	ф 33 43	16.717	515.0	(1333.5)
WAREHOUSE, PSE 1, TANK,	371,83044		η=	λ 118 16	17.048	438.9	(1105.9)
•	Quadaı	_	<i>-</i> χ	ф 33 44	07.947	244.8	(1603.8)
NEON SIGN, 1933	STA: 3050		<i>y</i> =	λ 118 16	47.012	1210.2	(334.3)
	Quad 331181		= λ	ф 33 43	57.245	1763.7	(6.48)
BUILDING CO., TANK, 1920	STA. 3046		y=	λ 118 16	04.007	103.2	(1441.4)
-0.	Quad 331181		=χ	φ 33 43	13.707	422.3	(1426.2)
BUREAU TOWER, 1933	STA. 3047		y=	λ 118 16	15.866	408.5	(1136.3)
COMPUTED BY A. C. Rauck,	Jr.	DATE 10/16/73	(ED 8Y F	.R.Gustafson		DATE 10/18	18/73
LISTED BY		DATE	LISTING CHECKED BY			DATE	
HAND PLOTTING BY		DATE	HAND PLOTTING CHECKED BY			DATE	
*Coe now field notition(Reviewer	Ā	SHAFFEEDEZAN	SEDES AND SEE OPH 3F41 2731 FDITION WHICH IS OBSOLFIED	CH IS OBSOLFIE	d. rather than	the new	one

*See new field position(Reviewer, Mr. Shands, EdVTSes that ofiginal position be used is than the new one A.C.R.

A.C.R.

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:

ller C. Pauch. G. For Charles E. Parker Cartographic Aid September 11, 1974

Approved:

Albert C. Ranch. Jr.
Albert C. Rauck, Jr.

Chief, Coastal Mapping Section, AMC

GEOGRAPHIC NAMES

FINAL NAME SHEET

PH-7107, Dana Point to Point Vicente, California

TP-00399

Cabrillo Beach

East Channel

East San Pedro

Fish Harbor

Los Angeles

Los Angeles Outer Harbor

Main Channel

Reeves Field

Reservation Point

San Pedro Bay

San Pedro Channel

Terminal Island

Watchorn Basin

West Channel

Approved by:

Charles E. Harri Chief Geographer

NOAA FORM 75~74 (7~75)	. РНС		TRIC OFFICE REVIEW P - 00399	O.S. DEPARTMENT OF COMMERCE NOAA NATIONAL OCEAN SURVEY
1. PROJECTION AND GRIDS	2 TITLE		3. MANUSCRIPT NUMBERS	4. MANUSCRIPT SIZE
FM	FM		FM	FM
CONTROL STATIONS	<u></u>			<u> </u>
5. HORIZONTAL CONTROL ST THIRD-ORDER OR HIGHER	ATIONS OF	6. RECOVERA	BLE HORIZONTAL STATIONS HAN THIRD-ORDER ACCURACY	7. PHOTO HYDRO STATIONS
NA .		(Topograph:	c stations) NA	NA
8. BENCH MARKS	9. PLOTTING	OF SEXTANT	10. PHOTOGRAMMETRIC	11. DETAIL POINTS
NA	. NA		FM	·
ALONGSHORE AREAS (Nautica 12. SHORELINE	13. LOW-WATE	RLINE	14. ROCKS, SHOALS, ETC.	15. BRIDGES
74, 4,14,144				
FM	FM		FM	FM
16. AIDS TO NAVIGATION	17. LANDMARK	(S	18. OTHER ALONGSHORE PHYSICAL FEATURES	19. OTHER ALONGSHORE CULTURAL FEATURES
FM	FM		FM	FM ·
PHYSICAL FEATURES	<u> </u>			
20. WATER FEATURES		21. NATURAL	GROUND COVER	22. PLANETABLE CONTOUR
FM			NA	NA
23. STEREOSCOPIC INSTRUMENT CONTOURS	24. CONTOUR	S IN GENERAL	25. SPOT ELEVATIONS	26 OTHER PHYSICAL FEATURES
NA		NA	NA	- Aronas
CULTURAL FEATURES	<u></u>		<u> </u>	
27. ROADS	28. BUILDINGS	3	29. RAILROADS	-30. OTHER CULTURAL FEATURES
FM	FM		FM	FM
BOUNDARIES	<u></u>			
31. BOUNDARY LINES			32. PUBLIC LAND LINES	
NA	·	· · · · · · · · · · · · · · · · · · ·		NA
MISCELLANEOUS 33. GEOGRAPHIC NAMES		134 JUNCTION		35. LEGIBILITY OF THE
33. GEOGRAPHIC NAMES		34 JUNCTION		MANUSCRIPT
FM			FM	F M
36. DISCREPANCY OVERLAY	37. DESCRIPTI	VE REPORT	38. FIELD INSPECTION PHOTOGRAPHS	39. FORMS
FM 🗸	FM		NA	F
10. REVIEWEA	1/		SUPERVISOR, REVIEW SECTI	ON OR UNIT
Fluck May			albut C. KC	ruch G
Frank Marg	Lotta 9/2	24/74	; Albert C. Ra	uck, Jr.
41. REMARKS (See attached she FIELD COMPLETION ADDITION		TIONS TO THE	MANUSCRIPT	
42. Additions and corrections	s furnished by th	e field comple	tion survey have been applied	to the manuscript. The manu-
script is now complete ex		uer item 43.	SUPERVISAR	/ / / /
J/ D. Rode	rick 7,	/23/75 0/2/75	Albert C. Ra	
Reviewer: A.L.S B.REMARKS 4. Z. Z		0/2//5	AIDCIG O. Ra	aon, or,
See Form 76-360	, item 8	Field	Inspection Opera	ations, and
item 7 , and 8 c	of Field	Edit Op	erations.	
		•	•	

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 delingate 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 fixer 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

Approved

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

R. D. Hopkini Sw. M. H. FLEMING CDR, NOAA

F COMMERCE ORIGINATING ACTIVITY INISTRATION HYDROGRAPHIC PARTY GEODETIC PARTY		July 1979 TOWNING ACTIVITY July 1979 STATE REVIEWER COAST PILOT BRANCH	(See reverse for responsible personnel)		(See instructions on reverse side) CHARTS		OFFICE FIELD	(C) 3063 ·F-V-Vis. 51L7 .27,1972 April 1975 ·51L8	1300	,1972 "	3062	.27,1972	3063 "	,1972	2908	= ,	2909	, 1972	=	n n	=	n y n	(C) 2910 " " " " " " " " " " " " " " " " " " "	
U.S. DEPARTMENT OF COMMERCE OCEANIC AND ATMOSPHERIC ADMINISTRATION CHARTS		Dana Point to				LONGITUDE	O / D.P. Meters	59 .58.640 \72L(C)	10.01<1	116 15 1ho.h War.27	, ;	118 17 217	17.048	118 16 438.9 Mar.27	36.139	118.16 930.4	9	110 12 2 Mar	210.71.21.811	077	17.862	118 16 459.8	118 15 202 Mar.24	
NATIONAL OCEANIC			eaward to determine th	DATUM N A	Ì	LATITUDE	a) / D.M.Meters	.33 42		33 42 29.62		33 43 583	16.717	33 43 -515.0	l	33 ५३ ागान		35 43 1133	33 1.1. 07.947			33 44 752.4	33 पी - पी.60	1177
	567.	Field Files Coastal Mapping Div.	HAVE XX HAVE NOT [] been inspected from	JOB NUMBER SURVEY NUMBER	Ph-7107 TP-00399	DESCRIPTION	Record resson for deletion of landmark or aid to navigation. Show triengulation station names, where applicable, in parentheses)	(San Pedro, Cabrillo Beach Bathhouse, Spire, 1933)		(San Pedro Wireless,1926)			(San Pedro. Municipal Warehouse.	Pier 1, Tank, 1920)	(San Pedro, Cotton Compress Co.,	Tank,1933)			(San Pedro, Y.M.C.A., Neon Sign, 1933)			(San Pedro, Pier 232, Water Tank, 1933)		
NOAA FORM 76-40	Replaces C&GS Form 567	TO BE CHARTED TO BE REVISED TO BE DELETED	The following of	OPR PROJECT NO.	4.11		CHARTING	CUPOLA	1	MAST	,	FLAGPOLE		~TANK	,	TANK	,	STACK	NEON	SIGN		TANK	· TOWER	

NOAA FORM 76-40		24	NA DK WO	NATIONAL OCEANIC	ANIC AND	S. DEPARTA ATMOSPHER	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION KS FOD CHADTS	ORIGINATING ACTIVITY	CTIVITY
Replaces C&GS Form 567 VY TO BE CHARTED TO BE REVISED	REPORTING UNI	STAT		LOCALITY	TY. Dana Point	nt to	DATE 1979	PHOTO FIELD PARTY COMPILATION ACTIVITY FINAL REVIEWER	17.7 17.17.7 10.77.7
TO BE DELETED		Va.	rnia	Point Vicente	Point Vicente	icente		COAST PILOT BRANCH	NCH NCH
OPR PROJECT NO.	,	SURVEY NUMBER TP_00399	ADATUM A	N	N.A.1927		METHOD AND DATE OF LOCATION	TE OF LOCATION	
	· · · · · · · · · · · · · · · · · · ·			POSITION	NO		(See instructions	(See instructions on reverse side)	CHARTS
Γ	DESCRIPTION	NO	LATI	LATITUDE	LONGITUDE	TUDE			AFFECTED
NAME	(Record reason for defetion of landmark or ald to nevigetion. Show triangulation station names, where applicable, in parentheses)	rk or aid to navidation. ore applicable, in parentheses	•	D.M. Meters	`	D.P. Meters	OFFICE	073	
TANK			33 43	,34.80 . 1C72	118 16	39.82	`72L(G) 2909 \Mar.24,1972	Not field verified	511:7
	This tank appears on was inadvertantly omm	on the charts, but it ommitted during the							·
	compilation. It was r	It was not verified by t	+ - - - -						
								·	
·									
	· ·								
									14
				_	_				-

						į						
	NOAA FORM 76-40 (8-74)	7 0				X	TIONAL OCE	ANIC AND	S. DEPARTM Atmospher	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY	CTIVITY
	Replaces C&GS Form 567	Form 567.	VONFLOATING AIDS OF	ING AID	MT 18050	Market Sales	RHING FOR CHARTS	ARTS		÷ .	GEODETIC PARTY	- >
ت. ر		ľ	LINIT CNI		STATE		TI OCAL ITY			DATE	THE COLOR THE COLOR TO A COLOR	/ > F.S.
	TO BE REVISED		Field Party, Ship or Office) Coastal Mapping I		. California	nia	/ Day	Dana Point to	t t 0 (July, 1975	COMPLATION ACTIVITY PINAL REVIEWER QUALITY CONTROL & REVIEW GRP	L&REVIEW GRP.
_	TO BE DELETED		A M C Norfolk 1	Va			o'	roint vicente	nre .		COAST PILOT BRANCH	HUN HUN
, ,	the following objects		HAVE NO!	been Inspected t	ected from sec	ward to de	rom seaward to determine their value as landmarks	ir value as	landmarks.		the reverse for responsible personner.	inie personineri.
	OPR PROJECT N / 11.	ر ق /	, 201		EY NUMBER TP-00399	DATUM	N.A.	N.A.1927		METHOD AND DATE OF LOCATION	E OF LOCATION	
							POSITION	NOI		(See instructions on reverse side)	on reverse side)	CHARTS
Ь		•	DESCRIPTION			TATITUDE	rude	LONGITUDE	rube	-		AFFECTED
	CHARTING	(Record resson for di Show triengulations	(Record resson for deletion of landmark or aid to navigation. Show triengulation station names, where applicable, in parentheses)	or aid to ne applicable,	sylgation. In parentheses)	, ,	// D.M.Meters	/ 0	// D.P. Meters	OFFICE	FIELD	
芷	LIGHT	San Pedro Rear Light	East	Channel R	Range	23 [73	~38.16 ~1175.8	91 811	31.69	<72L(C) 3063	\ F-L-8-L . April,1975	5147 5412
Ť	LIGHT	`Fish Harbor	Channel	Light 5		.33 144	01.13	91 811	, 00.34 , 09	.72L(G) 2909 Mar.2L,1972	==	=,=
ţ	THULL	oquen qued	Rich Hawkow Obannol Light	, th		23 1.1.	.01.80		57.53	20. :	ļ	= :
ζ.	TIDTO	AFTSH HAFD	T cuainer T	o illa		22 44	-55.5	CT 0TT	1481.0			:
	TTCHT	Harian dark	Channel	1.4 ዓክት 2		, 22 L2	78.91	ן מרנ חנ	. 52.7h	Ξ.	F-V-Vis.	н
		- 1	Change	- 1			1507	CT • O + :T	1358	E	April,1975	=
	THULL	Your Harry	Channel	, tdp.		23 1.3	51,12	, c	, 50.23	= =	= =	# =
1	TITOTO	ת זמון וומד.	Oliainici	יויי פיויי		- 1	`1575	77	1293			:
1	LIGHT	Cabrillo	Cabrillo Beach Groin Light	Light	,	· 33 42	'46.62 U136.3	118 16	.54.77 1410.3	,72L(C) 3062 Mar.27,1972	, F-4-8-L April,1975	= =
		> ** New field	eld positions.	15.								
	LIGHT	Vincent Thomas Brid Light, ht.=(369 ft.	ge ,	West T	Tower	े 33. ५६	.59.33	118 16	.22.48	,	.F-3-6-L .March,1976	18752
	*** 'LIGHT	Vincent Tho Light, ht.=	Vincent Thomas Bridge, Light, ht.=(369 ft.)	East T	Tower	33 44	56.69	118 16	0 <u>1.96</u>		= = /	===
	*** These Light		objects not charted nor listed in 1975 List. May be Aero Aids. Correctly shour	or list	ed in 197 ccfly show	1976 Shayn on						14c

24th ed. of Chart 18751 as TRS. A.L.S. Final Reviewer

40×= =M --

ORIGINATING ACTIVITY HYDROGRAPHIC PARTY GEODETIC PARTY	COMPLATION ACTIVITY FINAL REVIEWER QUALITY CONTROL & REVIEW GRD. COAST PILOT BRANCH	(See reverse for responsible personnel)	LOCATION	rerse side) CHARTS	AFFECTED	FIELD	F-4-8-L :5147 April, 1975 5148	* F-3-6-L " April,1975 "	/ = = / /	= = -	= = '	=='	. April,1975 "	.F-3-8-L ". .F-3-6-L ".	Ի I Ի	
	July, 1975	See r	METHOD AND DATE OF LOCATION	(See instructions on reverse side)		OFFICE	'72L(C) 2909 \ F.	F Ap	72L(C) 3063 Mar.27,1972	72L(C) 3064 . War.27,1972	72L(C) 2909 . Mar.24,1972	= = /	72L(C) 3063 F-1	1 E S	" F-1	
U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION METER CHARTS	LOCALITY Dana Point to Point Vicente	determine their value as landmarks.	N.A.1927	POSITION	UDE LONGITUDE	D.M. Meters O / D.P. Meters	75.54 118 16.78	12.97 . 57.64 100 118 15 11.84	, 01.77 , 07.74 , 55 118 16 + 199	30.656 \ 02.452 944.5 118 15 63.1	15.50 13.81 4.77.4 118 16 355.6	17.47 -17.58 538.2 118 16 452.7	35.85 118 16 56.91	34.12 116 17 .04.51 1051.3	1520.0 118 16 -21.641	
	srare - California	seaward to		65F00-4L	LATITUDE	rigation.	33 43	33 43	33 43	33 42	ige 33 43	Range 33 43	.oach 33 42	oach 33 h2	2 33 42	
~ NONFLOATING AIDS OF	ne Div. Ik, Va.	IE NOT		Ph-7107 TP-0	DESCRIPTION	(Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parantheses)	Angeles Channel Light 10	Los Angeles Channel Light 6	Angeles Channel Light 5	Los Angeles Light (San Pedro Breakwater Lighthouse,1913)	Los Angeles Main Channel Rango Front Light	<pre>Los Angeles Main Channel Ran Rear Light</pre>	San Pedro West Channel Approach Range Front Light	San Pedro West Channel Approach Range Rear Light	Fedro West Channel Light	
NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.		The following objects	PROJECT NO.	411		CHARTING (Record re	THOHI . Tos	LIGHT Los	LIGHT . Los	LIGHT Los Bres	LIGHT From	LIGHT LIGHT	LIGHT ~ Ra	LIGHT S.	LIGHT San	

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 Mainteance 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

Final Reviewer

.a.L. Short

Approved for forwarding:

Bill H. Barn

Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, doastal Mapping Division

F	01	RM	Ca	63-	835.	2
13	- 2	5-6	13)			

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

FILE WITH DESCRIPTIVE REPORT OF SURVEY NO.

-	15 4	4		10
10	10	D:	39	4
1	-		1	

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.

CHART	DATE	CARTOGRAPHER	REMARKS
第751	6-25-80	6 James	Full Past Before After Verification Review Inspection Signed Via
		6-2680-Rey	Drawing No. x drwng Apped thru Tp00399
877			
8749	6-25-80	6 James	Full Part Before After Verification Review Inspection Signed Via
		6-26-BORAS	Drawing No. x chung Appel thru Chart 18751
18740	6-25-80	Clonet	Full Part Before After Verification Review Inspection Signed Via
		4-20-80RG	Drawing No. 46 no corr exam thru chart 1874;
119746	7-9-180	Then were	
18746	7-9-80	6 James	Full Part Before After Verification Review Inspection Signed Via
		7-12-80-RCS	Drawing No. 35 Exam no cort
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.

			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
**			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.
			Full Part Before After Verification Review Inspection Signed Via
			Drawing No.