NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey Sho:	relin	e
		Map No. TP-00787
Classification No. Fir	nal	Edition No1
Field E	dite	d Map
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General LocalityP.Q. Santa M Locality	int V rt.Hu onica	icenterto eneme
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☆ U.S. GOVERNMENT PRINTING OFFICE: 1974-762-901

NGA 4 FORM 74 2/4	<u> </u>	
NOAA FORM 76-36A (3-72) NATIONAL OCEANIC AND ATMOS PHERIC ADMIN.	TYPE OF SURVEY	SURVEY TF 00787' -
	D ORIGINAL	MAPEDITION NO. (1)
	RESURVEY	MAP CLASS Final
DESCRIPTIVE REPORT - DATA RECORD	RESURVEY	
	REVIȘED	јов РН- СМ-7404
PHOTOGRAMMETRIC OFFICE	LAST PRECEEDING	G MAP EDITION
Coastal Mapping Division	TYPE OF SURVEY	JOB PH
Norfolk, Va.	ORIGINAL .	MAP CLASS
OFFICERIN-CHARGE	1 =	SURVEY DATES:
Jeffrey G. Carlen, Cdr.	REVISED	19TO 19
I. INSTRUCTIONS DATED	<u> </u>	
1. OFFICE	2. FI	ELD
As not mismoral ation 11/4/74		
Aerotriangulation 11/4/74 Compilation 1/8/75	Premarking	1/30/74
Compilation		·
	Premarking	3/14/74
	Amendment I	
II. DATUMS		
1. HORIZONTAL: X 1927 NORTH AMERICAN	OTHER (Specify)	
	OTHER (Specify)	
MEAN HIGH-WATER	OTHER (Specify)	
2. VERTICAL: MEAN LOW-WATER		
MEAN SEA LEVEL		
3. MAP PROJECTION	4. GR	(D(S)
Dalwaania	STATE	ZONE
Polyconic	California	5 and 7
1:10,000	STATE	ZONE
III. HISTORY OF OFFICE OPERATIONS		
OPERATIONS	NAME	DATE
I. AEROTRIANGULATION BY	B. Thornton	Jan 1975
METHOD: Analytic LANDMARKS AND AIDS BY		
2. CONTROL AND BRIDGE POINTS PLOTTED BY	R. Robertson	Feb 1975
METHOD: Coradomat CHECKED BY	R. Robertson	Feb 1975
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY	L. Neterer	Apr 1975
COMPILATION CHECKED BY INSTRUMENT: Wild B-8 CONTOURS BY	C. Blood	Apr 1975
scale: 1:15,000 CHECKED BY	NA NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY	Charles Parker	Apr 1975
CHECKED BY	F. Margiotta	Jun 1975
CONTOURS BY	NA	
METHOD: Smooth drafted CHECKED BY	<u>NA</u>	<u> </u>
HYDRO SUPPORT DATA BY SCALE: 1:10,000 CHECKED BY	Charles Parker_	Apr 1975
T.TU, OUG CHECKED BY	F. Margiotta	Jun 1975
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY	F. Margiotta	Jun 1975 Apr 1976
6. APPLICATION OF FIELD EDIT DATA CHECKED BY	F. Margiotta L. O. Neterer	Apr 1976 _
7. COMPILATION SECTION REVIEW BY	L. O. Neterer	Apr 1976
8. FINAL REVIEW BY	A. L. Shands	Jan 1979
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY	A. L. Shands	Apr 1979
IO. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH BY	F. R. WATTS	JUN 1979
11. MAP REGISTERED - COASTAL SURVEY SECTION BY	E.L. DAUGHERTY	DEC 1979
NOAA FORM 76-36A SUPERSEDES FORM C&GS 181 SERIES		



INDAA FORM 76—368 [(3-72)			NATIONAL OCEAN			OF COMMERCE!
	COL	TP-0078		ı	NATIONAL C	CEAN SURVEY
	CON	IPILATION SO	UKCES			
1. COMPILATION PHOTOGRAPHY						
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TIDE STAGE REFERENCE		(C) COLOR	•	zone Pacifi	C	XSTANDARD
REPERENCE STATION RECORDS		(P) PANCHR		MERIDIAN	-	
TIDE CONTROLLED PHOTOGRAP	нү	(I) INFRARE	D _ '	120th		DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	s	TAGE OF T	IDE
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*Bridge and c **Tide coordin	ompilation ated photo	n photogra ography a	aphy (predi t MHW and M	cted tic	des)	
The mean hig above listed field editor o	tide coor	rdinated p	hotography			
The mean low from the abo	er low wa	ter line				
4. CONTEMPORARY HYDROGRAPHIC	C SURVEYS (List o	only those surveys	that are sources for p	ohotogrammetri	c survey info	ormation.)
SURVEY NUMBER DATE(S)	SURVEY COF	Y USED SUR	VEY NUMBER D	ATE(S)	SURVEY	COPY USED
5. FINAL JUNCTIONS	 	L	·,			
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REMARKS				<u> </u>		

NOAA FORM 76-360 (3-72)	3	TP-0078	7	U.S. DEPARTME VIC AND ATMOSPHERIC NATIONA	ADMINI	OMMERCE STRATION N SURVEY
		HISTORY OF FIELD	OPERATIONS			
I. 🙀 FIELD INSPI	ECTION OPE	RATION FIELD	EDIT OPERATION			
	ОР	ERATION	N.	AME	_ D	ATE
1. CHIEF OF FIEL	D PARTY		R Malha		Foh	1974
		RECOVERED BY	R. Melby			1974 1974
2. HORIZONTAL C	ONTROL	ESTABLISHED BY	None_		TED	<u> 19/4</u>
	- ··· - ·	PRE-MARKED OR IDENTIFIED BY	R. Melby		Feb	1974
		RECOVERED BY	None		† 	
3. VERTICAL CON	ITROL	ESTABLISHED BY	None			
		PRE-MARKED OR IDENTIFIED BY	None		1 -	
	R	ECOVERED (Triangulation Stations) BY	None			
4. LANDMARKS AN	ND	LOCATED (Field Methods) BY	None			
AIDS TO NAVIG	ATION	IDENTIFIED BY	None			
		TYPE OF INVESTIGATION		<u> </u>		
5. GEOGRAPHIC N		COMPLETE BY				
INVESTIGATION	1	SPECIFIC NAMES ONLY				
		NO INVESTIGATION		<u> </u>	ļ	
6. PHOTO INSPEC	TION	CLARIFICATION OF DETAILS BY	None	·	ļ	
7. BOUNDARIES A	ND LIMITS	SURVEYED OR IDENTIFIED BY	NA		<u> </u>	
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	- 1	None				
4. LANDMARKS AT	ND AIDS TO N	AVIGATION IDENTIFIED				
		None				
PHOTO NUMBER		OBJECT NAME	PHOTO NUMBER	OBJECT	NAME	
5. GEOGRAPHIC N	IAMES:	REPORT NONE	6. BOUNDARY AND	LIMITS: REPOR	रा 🎦	NONE
7. SUPPLEMENTA	L MAPS AND					
		None				
8. OTHER FIELD	RECORDS (Sk	etch books, etc. DO NOT list data submit	ted to the Geodesy Di	vision)		
1-	form 15	52				

OAA FORM 76-36C -72)	TP-007		U. S. DEPARTME NIC AND ATMOSPHERIC NATIONA	NT OF COMMER ADMINISTRATI L OCEAN SURV
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. HORIZONTAL CONT				000 107
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	RECOVERE			
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	PRE-MARKED OR IDENTIFIE	D BY None		
	RECOVERED (Triangulation Stations	None None		
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AIDS TO NAVIGATIO	IDENTIFIE			
	TYPE OF INVESTIGATION			
. GEOGRAPHIC NAME INVESTIGATION		BY		
INVESTIGATION	SPECIFIC NAMES ONL	.Υ		
	X NO INVESTIGATION			 -
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I. PHOTO NUMBERS (C	Clarification of details) None			
. LANDMARKS AND A	IDS TO NAVIGATION IDENTIFIED			
	None			
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, GEOGRAPHIC NAME	ES: REPORT X NONE	6. BOUNDARY AN	ID LIMITS: REPOR	RT 🖾 NONE
. SUPPLEMENTAL MA	APS AND PLANS	-	- 	
	None	•		
OTHER FIELD REC	ORDS (Sketch books, etc. DO NOT list data	submitted to the Geodesy D	livision)	
Map TP-007	87 (Field Edit copy);	and Field Edit	Report, OPR	-411-Fa-

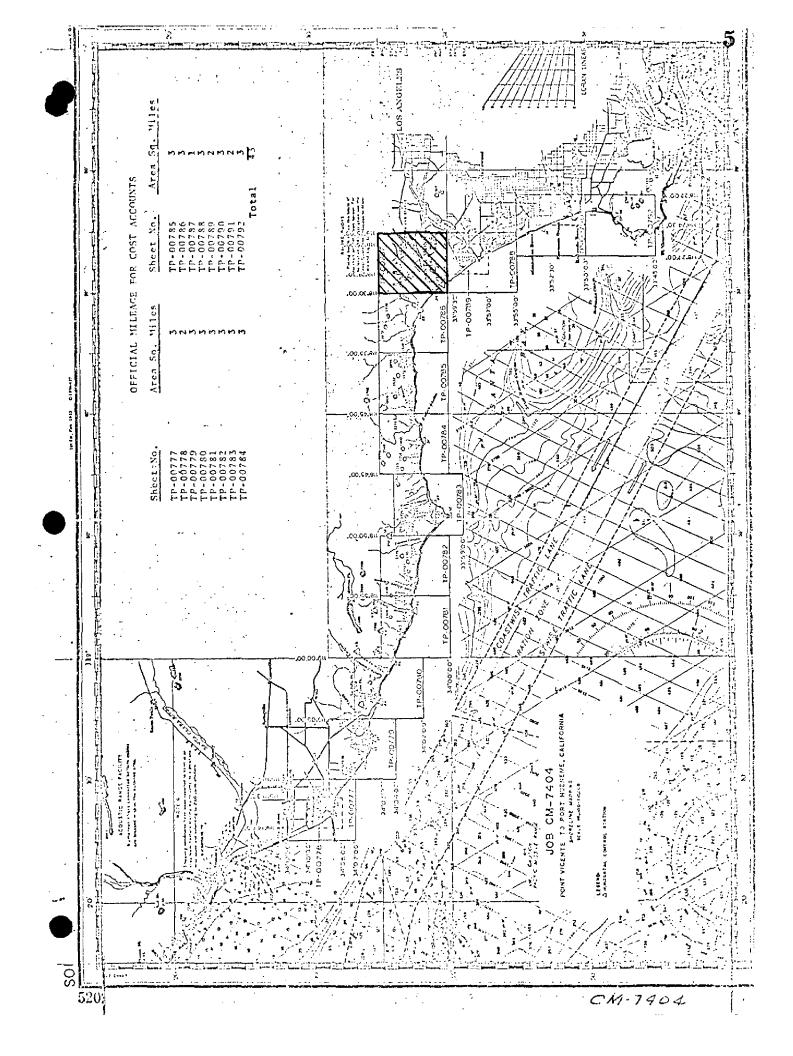
NOAA FORM 76-36D

(3-72)

U. S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION TP-00787

RECORD OF SURVEY-USE

		RECO	KD OI SORYE	1 - U3L		
I. MANUSC	RIPT COPIES					
	Co	MPILATION STAGE	s		DATE MANUSCRI	PT FORWARDED
	DATA COMPILED	DATE	RE	MARKS	MARINE CHARTS	HYDRO SUPPORT
	ation complete	4/22/75	ClassIII	manuscript	2/10/76	6/13/75
	Edit applied ation complete	4/76	Class I		4/27/76	
Final H	Review	Jan 1979	Final	,	Apr 1979	
						·
	ARKS AND AIDS TO NAVIGA					
1. REP	ORTS TO MARINE CHART DI	VISION, NAUTICAL	DATA BRANCH		 -	
NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED		REM	IARKS	·
1		5/19/76	Aid to b	e deleted		
1		5/19/76	Aid to b	e charted	·	
1		5/19/76	Landmark	to be cha	rted	
			<u></u>			
	REPORT TO MARINE CHART REPORT TO AERONAUTICAL					1976
III. FEDE	RAL RECORDS CENTER DAT	Ά .			,	
1. 🔀 2. 😾 3. 🏋	1. 区 BRIDGING PHOTOGRAPHS; 区 DUPLICATE BRIDGING REPORT; COMPUTER READOUTS. 2. 区 CONTROL STATION IDENTIFICATION CARDS; 区 FORM NOS 教養SUBMITTED BY FIELD PARTIES. 3. 区 SOURCE DATA (except for Geographic Names Report) AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS:					
	DATA TO FEDERAL RECOF	ROS CENTER DAT	F FORWARDED:			
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14. 3UKY	SURVEY NUMBER	JOB NUMBE			TYPE OF SURVEY	
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EDITION	DATE OF PHOTOGRAPH	Y DATE OF F	IELD EDIT	□ n. □m.	MAP CLASS □ IV. □ V.	FINAL
	SURVEY NUMBER	ЈОВ ИЦМВЕ	R		TYPE OF SURVEY	
THIRD		(3) PH-		Į , ∐RE	VISED RES	URVEY
EDITION	·	<u> </u>		ř	□ıv. □v.	DFINAL
	SURVEY NUMBER	JOB NUMBE	R		TYPE OF SURVEY]
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SUMMARY TO ACCOMPANY

TP-00777 through TP-00792

Maps included in this summary comprise all of project CM-7404, Point Vicente to Port Hueneme, California. All but three of the sixteen maps in this project are 1:10,000 scale. The others, TP-00778, TP-00789 and TP-00791 are each 1:5,000 scale. All are standard shoreline maps, the purpose of which is to provide up-to-date shoreline and alongshore delineation for contemporary hydrographic surveys and for nautical chart construction.

The project area is immediately northwest of the city of Los Angeles. The shoreline is a mixture of wide, smooth, sandy beach and rough, rocky cliff areas.

Field operations prior to delineation did not include clearification of photographic details. They were limited to the recovery and identification of horizontal control and providing ground support needed to obtain tide coordinated photography.

Three sets of photographs were supplied and used for the delineation of each map. Natural color photographs were used for bridging and instrument compilation. Tide coordinated, black and white infrared photographs were used to graphically compile the mean high water line and mean lower low water line. The 1:5,000 scale maps were compiled with 1:15,000 scale photographs. The 1:10,000 scale maps were compiled with 1:30,000 scale photographs.

Bridging was done at the Washington Science Center in January 1975. Ratios were determined and ordered at that time. All maps were compiled at the Atlantic Marine Center in the Spring of 1975.

Field edit was performed in three parts. Maps TP-00785 through TP-00792 were edited in the fall of 1975. The location of some offshore features was not completed until the spring of 1976. At that time Maps TP-00781 through TP-00784 were edited. Maps TP-00777 through TP00780 were edited in the fall of 1976. All edit was applied at the AMC.

Final Review was performed at the Atlantic Marine Center in the Winter of 1979. The original base maps and all pertinent data was forwarded to the Washington Science Center for reproduction and final

FIELD INSPECTION

TP-00787

Field inspection was limited to the recovery and identification of horizontal control for aerotriangulation and ground support for the tide coordinated infraredaphotography.

Photogrammetric Plot Report Point Vicente to Port Hueneme Job CM-7404

JAMUERY 1975

21. Area Covered

The area covered by this report is the southwest coast of California from Point Vicente to Port Hueneme. This area is covered by thirteen 1:10,000-scale sheets, TP-00777 thru TP-00792, with the exception of sheets TP-00778, 789, and 791, which are at a scale of 1:5,000.

22. Method

Five strips of 1:30,000-scale color photography were bridged by analytic aerotriangulation methods. The five strips of bridging photography were controlled by field-identified control including some control from previous airport surveys which were used as checks.

Common points were located on the bridging photography and the tide-controlled IR for ratio purposes. In addition, common points were located on the bridging and compilation photography. The points read on the bridging strips are more than adequate for compilation purposes. The points were used in all five strips to insure an adequate junction of all strips during the strip adjustments.

23. Adequacy of Control

Control checked well within map accuracy standards and is more than sufficient for intended use. The results from the 1:30,000 bridging photography were adequate enough so as to not make it necessary to bridge the 1:15,000 compilation photography. See attached sheet for accuracy of control in strip adjustment.

24. Supplemental Data

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

25. Photography

The coverage, overlap, and quality of the photography was adequate for the Job.

Submitted by,

Approved and forwarded:

Brian F. Thornton

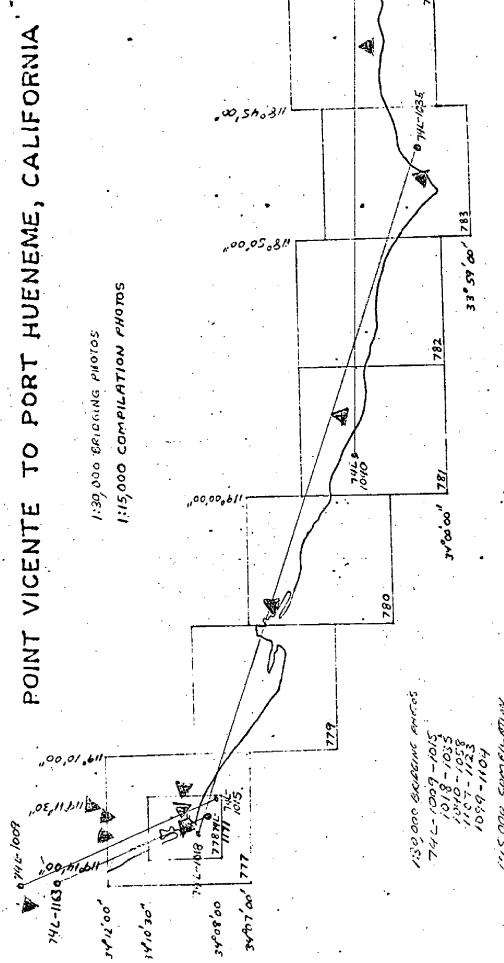
John D. Perrow, Jr. Chief, Aerotriangulation Section

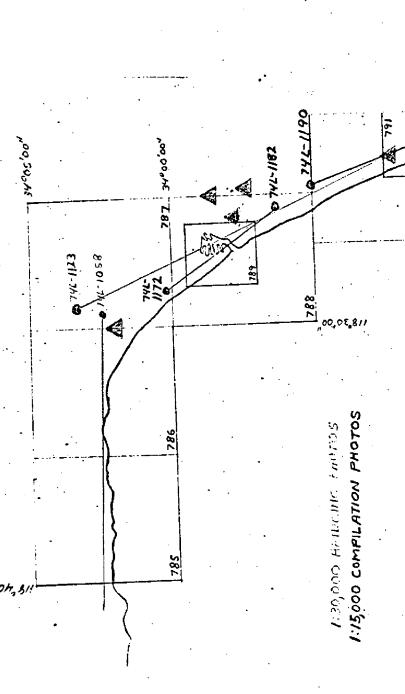
Attachment

	List and Ac	ccuracy of C	Control Used	111
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CM-7404

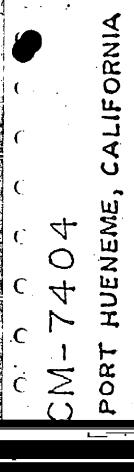




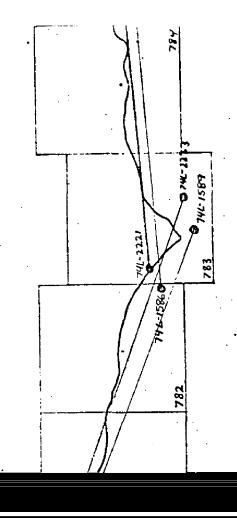
JOB CM-7404

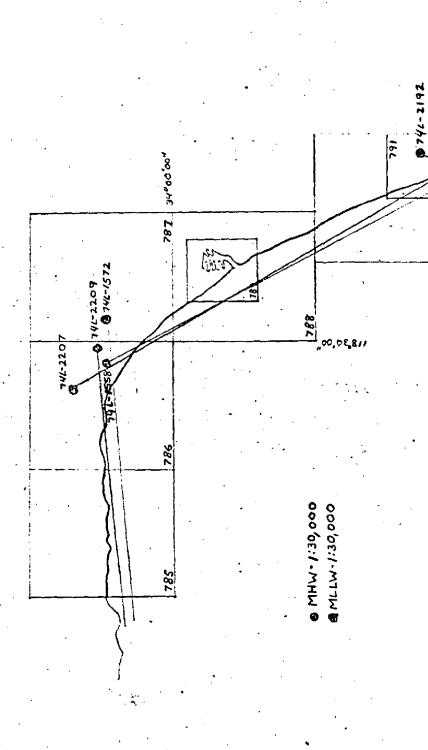
Point vicente to

PORT HUENEME, CALIFORNIA



:30,000 30,000





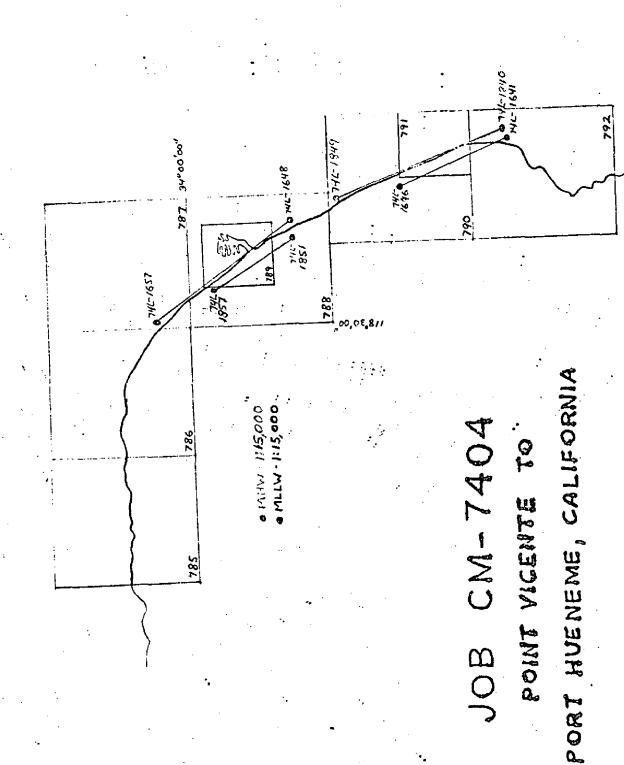
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JOB CM-7404

Point Vicente To

PORT HUENEME, CALIFORNIA



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COMPILATION REPORT

TP-00787

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using 1:30,000 color photography. Points were established on the tide-coordinated photography to delineate the MHWL and MLLWL. Control was adequate.

32. CONTROL:

See the Photogrammetric Plot Report, dated Jan. 1975.

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:

Alongshore details were delineated by office interpretation of the photographs.

The mean high water line and mean lower low water line were compiled graphically from the tide coordinated infrared ratioed photographs.

36. OFFSHORE DETAILS:

No unusual problems.

37. LANDMARKS AND AIDS:

Work copies of Forms 76-40 were forwarded to the field editor for verification, location and/or deletion of landmarks and aids in the area.

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 Beverly Hills, California, dated 1966, scale 1:24,000

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart 18301, 18th edition, dated May 4, 1974, scale 1:40,000

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

Charles Parker Cartographic Aid April 22, 1975

Approved:

Albert C. Rauck, Jr.

Chief, Coastal Mapping Section

GEOGRAPHIC NAMES

FINAL NAME SHEET

CM-7404 (Point Vicente to Port Hueneme, California)

TP-00787

Ocean Park

"Santa Monica

Pacific Ocean

~ Santa Monica Bay

Approved by:

Charles E. Harringten, Chief Geographer

THE COURTER REVIEW TP 00787 1. PROJECTION AND GRIDS 2. TITLE FM FM FM FM FM FM FM FM FM FM CONTROL STATIONS 3. UNITIONTAL CONTROL STATIONS OF COUNTRY OF SEXTANT FOR STATIONS OF WIGHTER ACCURACY (Topographic stations) FM NA B. BENCH MARKS 9. PLOTTING OF SEXTANT 10. PLOT REPORT NA FM FM FM ALONGSHORE AREAS (Naulical Chart Date) 12. SHORELINE 13. LOW-RATER LINE 14. ROCKS, SHOALS, ETC. 15. BRIDGES FM FM FM FM FM FM FM FM PM FM PM PM PM PM PM PM PM PM PM	NOAA FORM 75-74 (7-75)				U.S. DEPARTMENT OF COMMERC
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FIELD EDIT REPORT

MAP TP-00787

SANTA MONICA (EAST), CALIFORNIA

OCTOBER 1975

Field edit of map TP-00787 was done by Lcdr Joseph A. Sowers and Ens Gregory P. Kosinski during October 1975. Field inspection of the area was done at various stages of the tide by land vehicle and skiff.

METHOD

Photographs and a copy of the field edit ozalid were examined in the field. The shore was a regular sandy beach with unfouled foreshore area, requiring no verification of the existance of rocks, reefs, etc. All times were based on Greenwich Mean Time.

ADEQUACY OF COMPILATION

Compilation of the map is good. The hydrography for this area was completed in October 1975. Refer to hydrographic records H-9575 for detached position of Santa Monica Breakwater Southeast End Buoy. Field inspection of this map is complete.

RECOMMENDATIONS

It is recommended that this map be revised in accordance with the notes on the ozalid and the hydrographic record H-9575, and then be accepted as an advanced manuscript.

Respectfully submitted:

Gregory P. Kosinshi Gregory P. Kosinski

ENS, NOAA

CAPY to Charts May 19, 1976.

(8-74)			-42				11.		
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Copy to Charts May 19, 1976

METHOD AND DATE of (See instructions on a OFFICE 7/11(C) 1121 March, 1971 March, 1971	NOAA FORM 76-40 NATIONAL OCEANIC / Replaces CAGS Form 567. Replaces CAGS Form 567.		MARKS FO	[፩ 🖸	AL OCE	ANIC AND	. DEPARTM	U.S. DEPARTMENT OF COMMERCE OCEANIC AND ATMOSPHERIC ADMINISTRATION	ORIGINATING ACTIVITY HYDROGRAPHIC PARTY GEODETIC PARTY	CTIVITY
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1976 Copy to Charts May 19,

HYDROGRAPHIC PARTY
GEODETIC PARTY
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FINAL REVIEWER
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COAST PILOT BRANCH
(See reverse for responsible personnel) AFFECTED 18301 CHARTS ORIGINATING ACTIVITY F-V-Vis. METHOD AND DATE OF LOCATION (See instructions on reverse side) FIELD 74L(C) 1121 March, 1974 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Apr.1976 DATE OFFICE The following objects HAVE | A HAVE NOT | been inspected from seaward to determine their value as landmarks. D.P. Meters 147.3 56.48 Point Vicente to 1 LONGITUDE Port Hueneme 29 ME FOR CHARTS 118 0 POSITION N.A.1927 LOCALITY D.M. Meters 27.01 832.4 1 LATITUDE 8 -37 0 California (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in perentheses) Santa Monica Fog Signal / Santa Monica Light, 1958) A.L. Shands TP-00787 NONFLOATING AIDS FEPORTING UNIT (Field Party, Ship or Office) Coastal Mapping Div. A.M.C. Norfolk, Va. DESCRIPTION CM-7404 Replaces C&GS Form 567. TTO BE CHARTED TO BE DELETED TO BE REVISED NOAA FORM 76-40 (8-74) OPR PROJECT NO. CHARTING SIGNAL FOG

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REVIEW REPORT

TP-00787 SHORELINE

January 29, 1979

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

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 a copy of Final Verified Smooth Sheet H \sim 9575 (FA \sim 10 \sim 12 \sim 75). There are no significant differences.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18744, 1:40:000 scale, 22nd edition, dated May 6, 1978.

The field editor verified the delineation of the mean high water line across the mouth of the large drain at lat. 34000.4', long. 118029.5'. This is probably a temporary condition, however. The depiction of this area is adequate as shown on the chart.

A landmark tower is shown on the map at lat. $34^{\circ}00.9^{\circ}$, long. $118^{\circ}29.7^{\circ}$. It is not shown on the chart.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map complies with the project instructions and meets the requirements for Bureau Standards and the National Standards of Map Accuracy.

Submitted by:

A. L. Shands

A. L. Snands Final Reviewer

Approved for forwarding:

albert C. Ranoh. J.
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Shief, Coastal Mapping Division

PROJECT CM-7404 MATERIALS ON FILE

FEDERAL RECORDS CENTER

Control Station Identification Cards Field Edit Photographs Bridging Photographs Job Completion Report

BUREAU ARCHIVES

Registered Copy of Each Map Descriptive Report of Each Map

GEODESY

Geodetic Records

MARINE CHART DIVISION

Chart Maintenance Print for Each Map Forms 76-40

OFFICE OF GEOGRAPHER

Geographic Names Standards

REPRODUCTION DIVISION

Film Copy of Each Map

300

NAUTICAL CHART DIVISION

RECORD OF APPLICATION TO CHARTS

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.

CHART	DATE	CARTOGRAPHER	REMARKS
18774	1-8-80	5. m. Thel	Full Part Before After Verification Review Inspection Signed Via
			Drawing No. 29 No Corr DRC
18740	1-8-80	5. m. Hill	Full Part Before After Verification Review Inspection Signed Via
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