

TP-00791

ORIGINAL

TP 00791

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. CM-7404 ..... Map No. TP-00791..  
Classification No. Final Edition No. ....1.....

Field Edited Map

### LOCALITY

State ... California .....  
General Locality ... Point Vicente to  
Port. Hueneme .....  
Locality ... Redondo Beach .....

19 74 TO 1976

### REGISTRY IN ARCHIVES

DATE .....

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

18744 ✓  
18740 ✓

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

## DESCRIPTIVE REPORT - DATA RECORD

PHOTOGRAMMETRIC OFFICE

Coastal Mapping Division  
Norfolk, Va.

TYPE OF SURVEY

☒ ORIGINAL☐ RESURVEY☐ REVISED

SURVEY TP. 00791

MAP EDITION NO. (1)

MAP CLASS Final

JOB PH. CM-7404

## LAST PRECEEDING MAP EDITION

TYPE OF SURVEY

☐ ORIGINAL

JOB PH. \_\_\_\_\_

MAP CLASS \_\_\_\_\_

NOAA FORM 76-36B  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00791  
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 checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY				ZONE Pacific MERIDIAN 120th	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 74L(C) 1112-1114	03/04/74	13:22	1:30,000	0.7 ft. below MLLW	
* 74L(C) 1194-1198	03/05/74	10:22	1:15,000	2.0 ft. above MLLW	
** 74L 1842(I)-1845(I)	04/03/74	07:20	1:15,000	±0.2 ft. of MHW	
** 74L 1643(I)-1646(I)	03/31/74	09:20	1:15,000	±0.2 ft. of MLLW	

## REMARKS

\*Bridge and compilation photography (predicted tides)  
 \*\*Tide coordinated photography at MHW and MLLW.

## 2. SOURCE OF MEAN HIGH-WATER LINE:

The mean high water line was compiled graphically from the above listed tide coordinated photography.

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

The mean lower low water line was compiled graphically from the above listed tide coordinated 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-00790	No survey	TP-00792	TP-00790

## REMARKS

This 1:5,000 scale T-sheet lies within the southeast corner of TP-00790.

NOAA FORM 76-36C  
(3-72)U. S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SURVEYTP-00791  
HISTORY OF FIELD OPERATIONSI. ☒ FIELD INSPECTION OPERATION☐ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. Melby	Feb 1974
2. HORIZONTAL CONTROL	RECOVERED BY R. Melby	Feb 1974
	ESTABLISHED BY None	
	PRE-MARKED OR IDENTIFIED BY R. Melby	Feb 1974
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 R. Melby	Feb 1974
	LOCATED (Field Methods) BY None	
	IDENTIFIED BY R. Melby	Feb 1974
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

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74I(C)1114	REDONDO WATER TANK, 1927		

3. PHOTO NUMBERS (Clarification of details)

NONE

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
74I(C)1114	REDONDO WATER TANK, 1927		

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)

None

TP-00791  
HISTORY OF FIELD OPERATIONSI. ☐ FIELD INSPECTION OPERATION☒ FIELD EDIT OPERATION

OPERATION	NAME	DATE
1. CHIEF OF FIELD PARTY	R. E. Alderman	Oct 1975
2. HORIZONTAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	FAIRWEATHER personnel None None	Oct 1975
3. VERTICAL CONTROL RECOVERED BY ESTABLISHED BY PRE-MARKED OR IDENTIFIED BY	None None None	
4. LANDMARKS AND AIDS TO NAVIGATION RECOVERED (Triangulation Stations) BY LOCATED (Field Methods) BY IDENTIFIED BY	FAIRWEATHER personnel None	Oct 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	J. A. Sowers	Oct 1975
7. BOUNDARIES AND LIMITS SURVEYED OR IDENTIFIED BY	NA	

## II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED		2. VERTICAL CONTROL IDENTIFIED	
None		None	
PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

## 3. PHOTO NUMBERS (Clarification of details)

74L(I) 1548-49, 1643-46

## 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)

Map TP-00791(Field Edit copy); and Field Edit Report, OPR-411-FA-75,  
Map TP-00791  
Two-76-40 forms

NOAA FORM 76-36D  
(3-72)

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

TP-00791  
RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation complete		Class III manuscript		

# COST ACCOUNTS

Cost No. Area Sq. Miles

-00785	3
-00786	3
-00787	1
-00788	3
-00789	2
-00790	3
-00791	2
-00792	3
<b>Total</b>	<b>43</b>

PLEASE NOTE:  
The following information is for informational purposes only and should not be used for any other purpose.

LOS ANGELES

LOS ANGELES

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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.



## FIELD INSPECTION

TP-00791

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

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

8a

*Shoreline 1975*

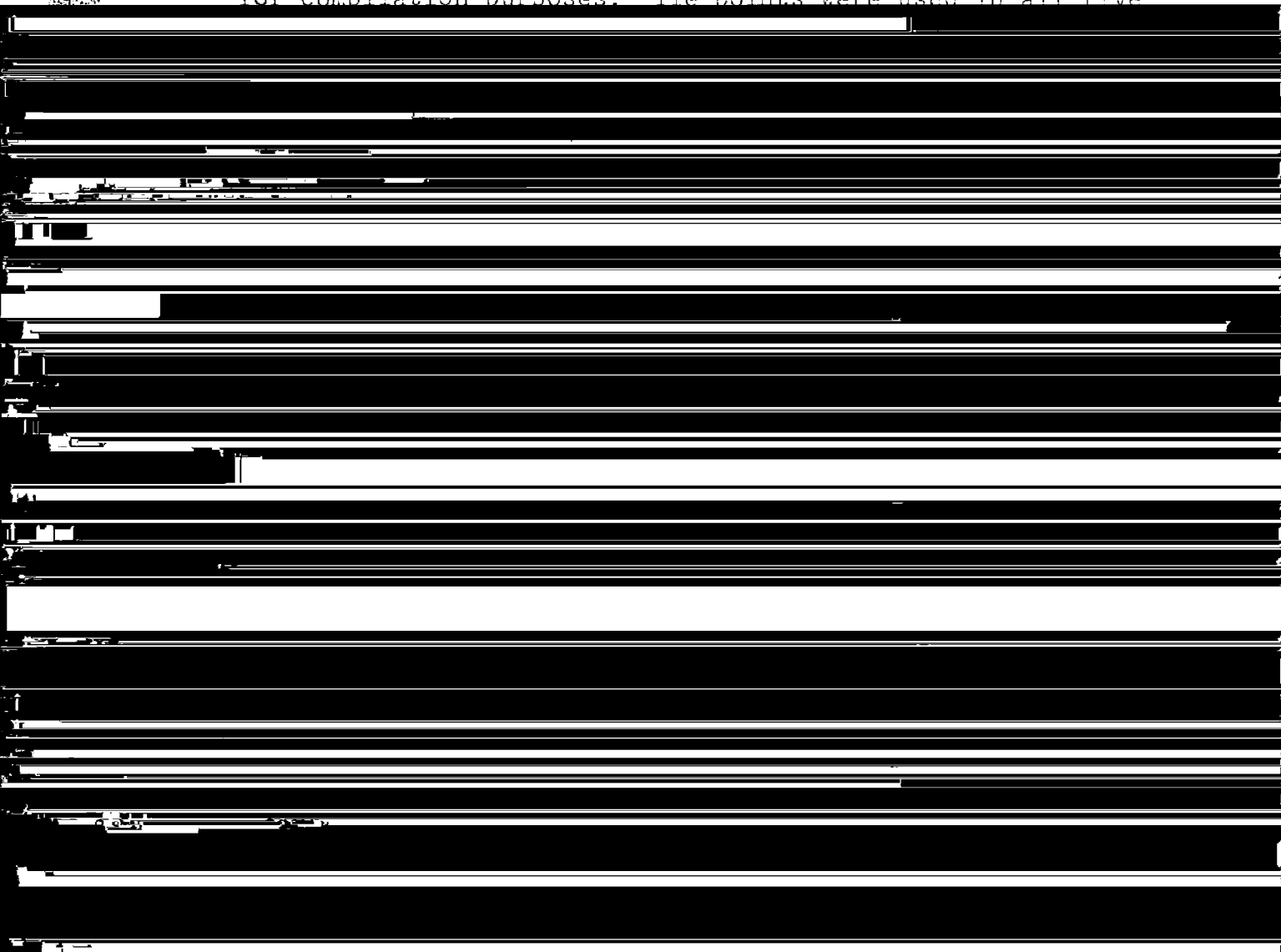
21. Area Covered

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



# List and Accuracy of Control Used in Strip Adjustment

	POINT	X-ERROR	Y-ERROR
Strip #1:	9101	0	0
	11114.	0	0
	13101	0	0

Strip #2:	13101	.381	.253
	24101	-1.368	-.581
	28100	1.455	.573
	34100	-.475	-.246

Strip #3:	28100	.626	1.068
	50100	-.267	1.023
	58101	.064	-.204

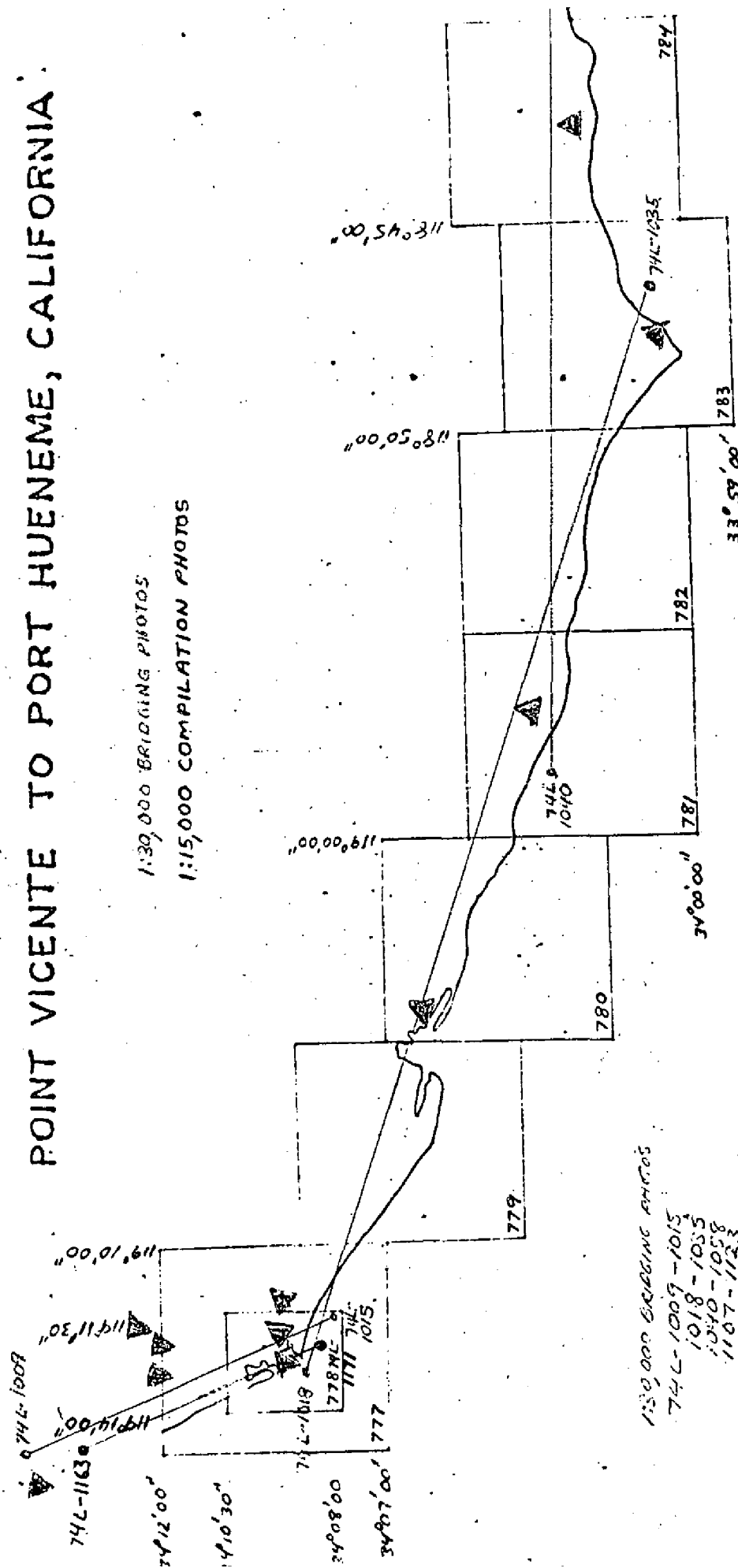
Strip #4:	108101	-1.954	-.873
	111111	2.718	3.046
	113101	-.123	-2.005
	117100	-1.029	-.525
	58101	.382	.363

Strip #5:	99100	.001	.001
	110801	-.004	-.001
	111801	1.078	.017

POINT VICENTE TO PORT HUENEME, CALIFORNIA

1:30.000 BRIDGING PHOTO

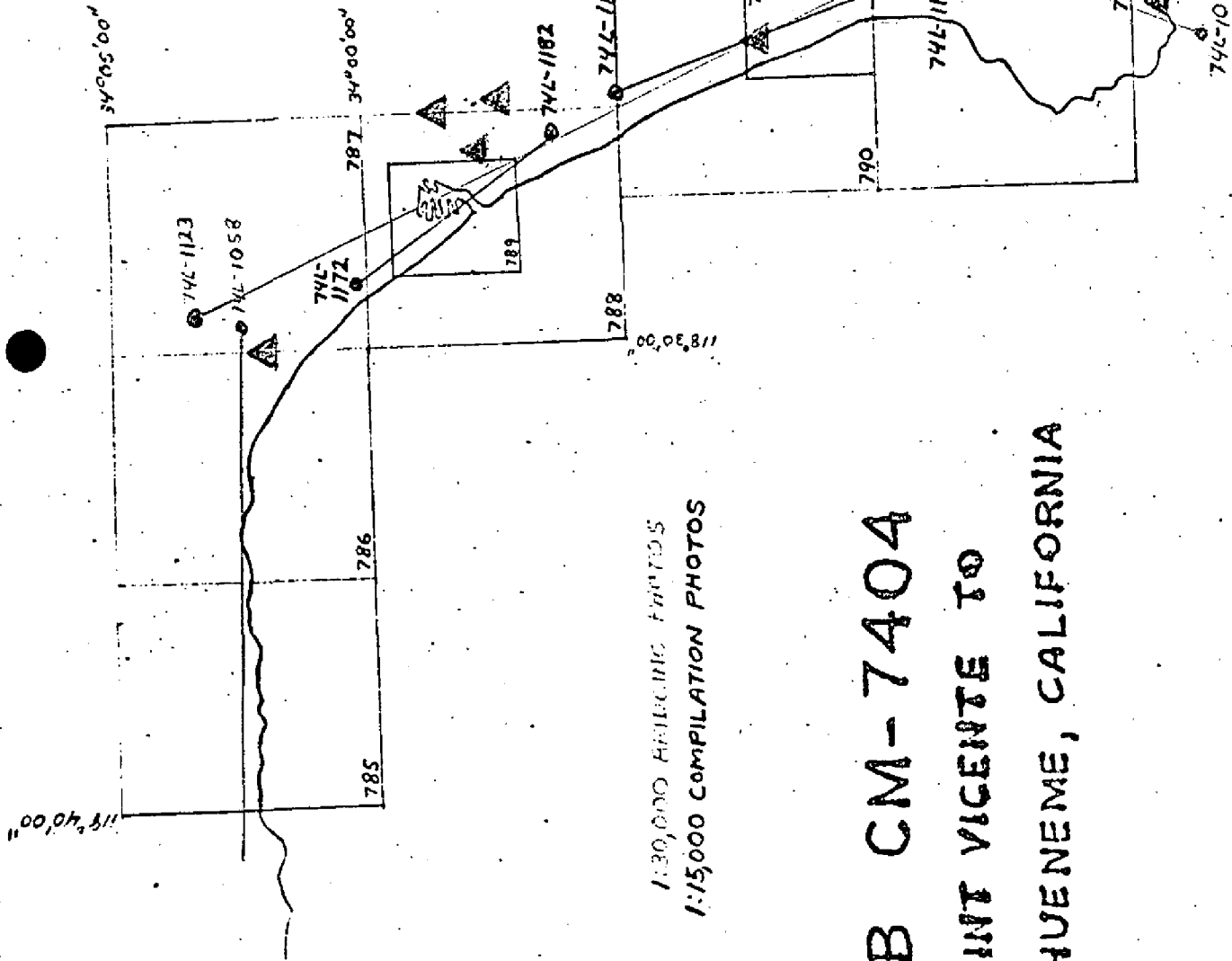
1:15,000 COMPILATION PHOTOS

[illegible]

746-1009-1055  
1018-1055  
8540-1058  
1107-1223  
1099-1104

15,000 COMPLETION

74-6-1183-1191  
1172-1182  
1190-1199



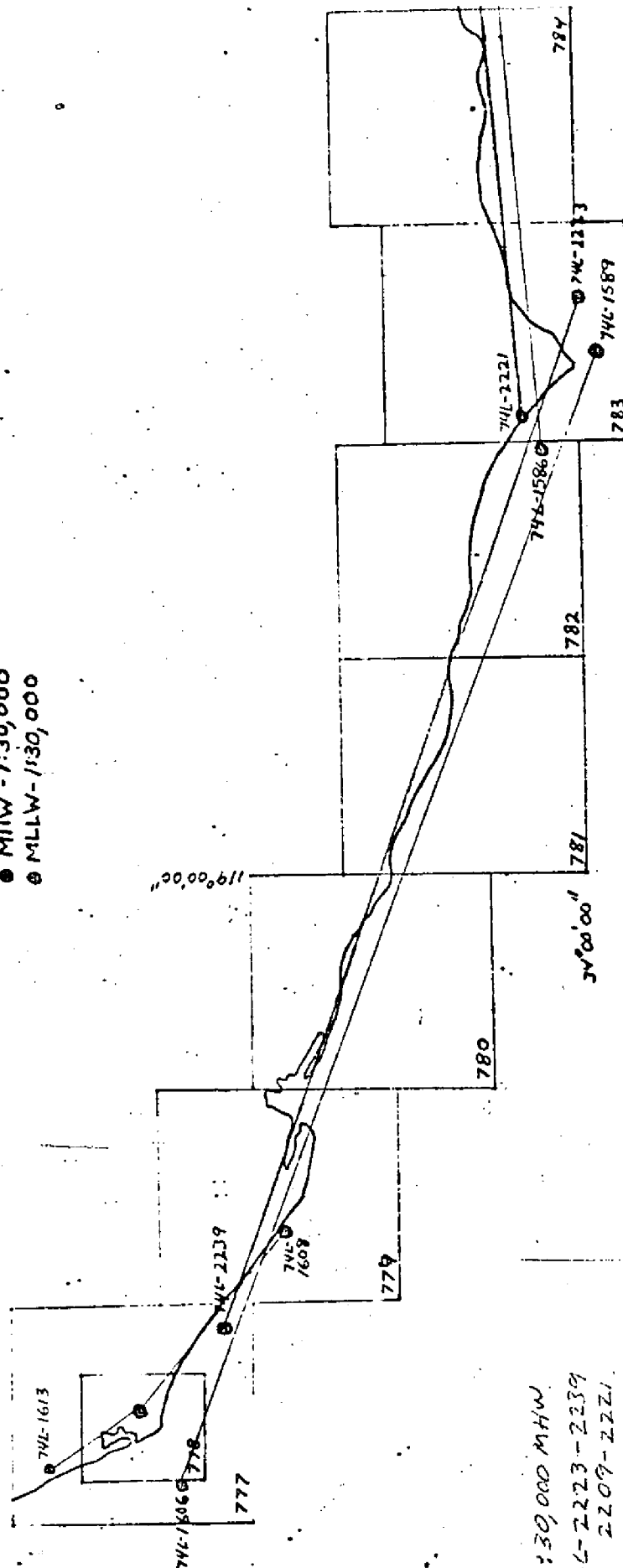
1:30,000 AERIAL PHOTOS  
1:15,000 COMPILATION PHOTOS

# JOB CM-7404 POINT VICENTE TO PORT HUENEME, CALIFORNIA

# JOB CM-7404

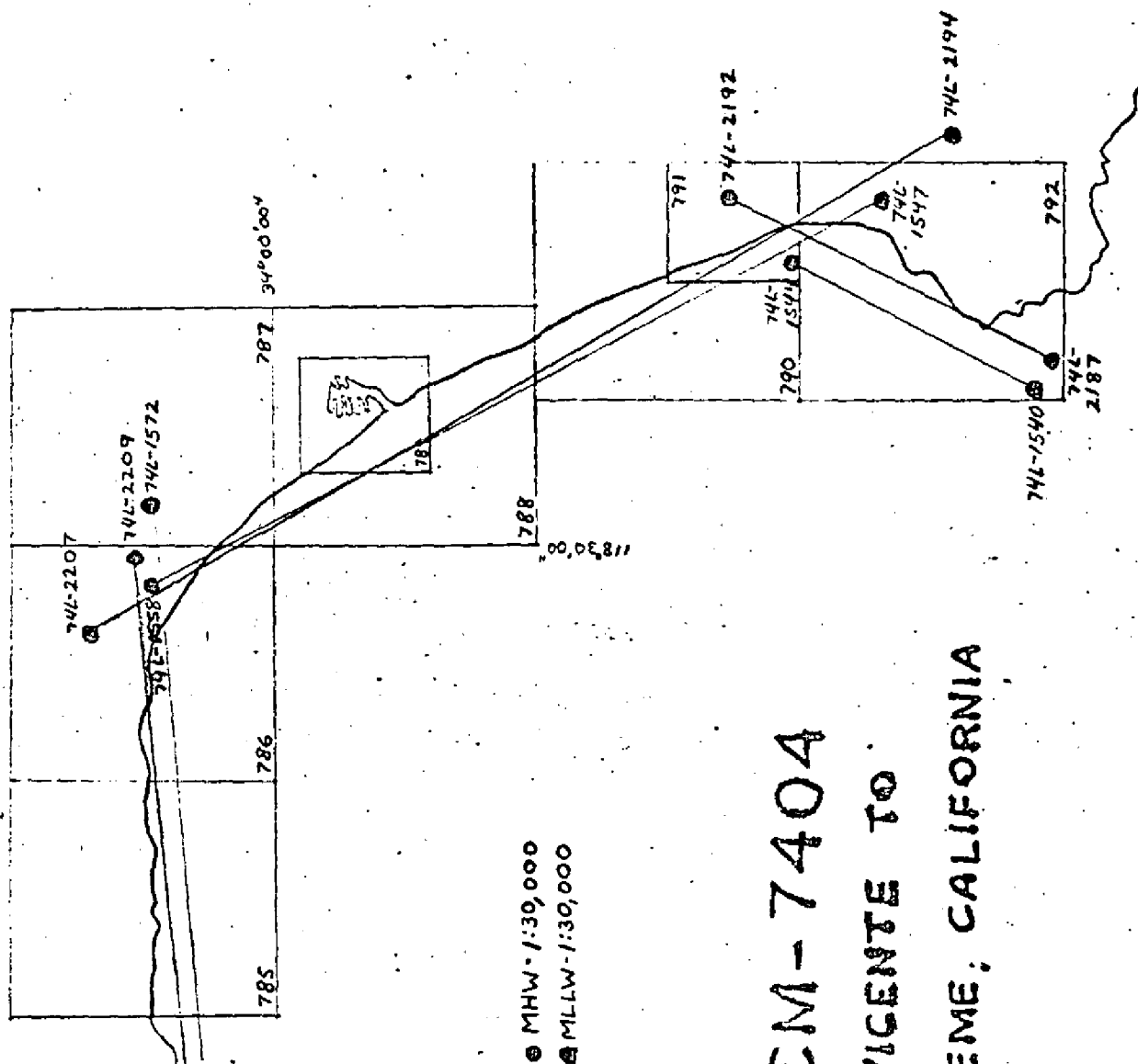
POINT VICENTE TO PORT HUENEME, CALIFORNIA

● MHW - 1:30,000  
○ MLLW - 1:30,000



1:30,000 MHW  
74-L-2223-2239  
2209-2221  
2194-2207  
2187-2192

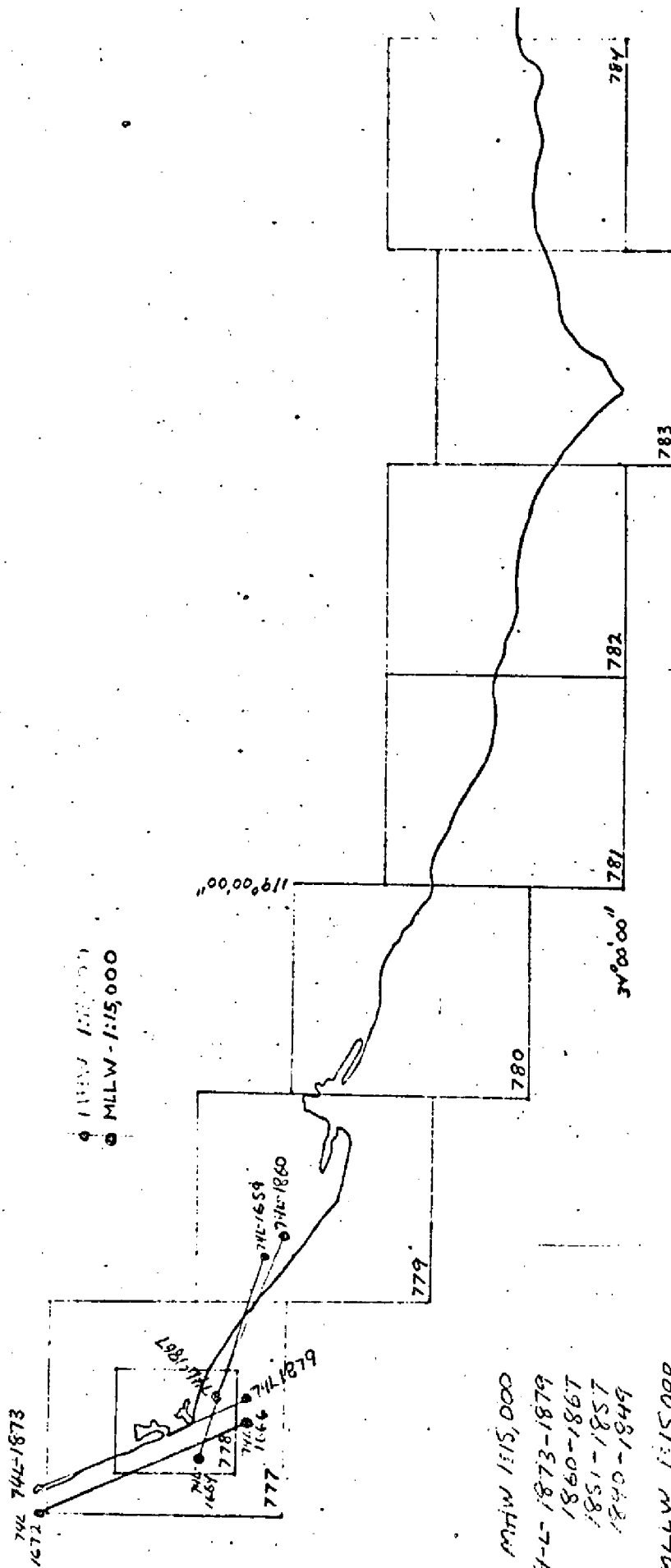
1:30,000  
74-L-1608-1613  
1589-1606  
1572-1586  
1547-1558  
1540-1544



● MHW - 1:30,000  
 ■ MLLW - 1:30,000

# JOB CM-7404 POINT VICENTE TO PORT HUENEME, CALIFORNIA

POINT VICENTE TO PORT HUENEME, CALIFORNIA



000' 51.31' N.H.W.

74-6-1873-1879

1.981-0981

1581-1587

6481-068

ALLW 15,000

74-4-1666-1672

6991-1664

1048-1657

1641-1648





## DESCRIPTIVE REPORT CONTROL RECORD

MAP NO.	JOB NO.	GEODETIC DATUM	NA	1927	ORIGINATING ACTIVITY	REMARKS
STATION NAME	SOURCE OF INFORMATION (Index)	CM-7404	AEROTRI-ANGULATION POINT NUMBER	COORDINATES IN FEET STATE _____ ZONE _____	GEOGRAPHIC POSITION $\phi$ LATITUDE $\lambda$ LONGITUDE	Division, Norfolk, Va.
NONE				$x =$	$\phi$	FORWARD
				$y =$	$\lambda$	BACK
				$x =$	$\phi$	
				$y =$	$\lambda$	
				$x =$	$\phi$	
				$y =$	$\lambda$	
				$x =$	$\phi$	
				$y =$	$\lambda$	
				$x =$	$\phi$	
				$y =$	$\lambda$	
				$x =$	$\phi$	
				$y =$	$\lambda$	
COMPUTED BY				COMPUTATION CHECKED BY		DATE
LISTED BY				LISTING CHECKED BY		DATE
HAND PLOTTING BY				HAND PLOTTING CHECKED BY		DATE

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

## COMPILATION REPORT

TP-00791

31. DELINEATION:

Delineation was by the Wild B-8 stereoplotter, using the 1:15,000 scale color photography. Common pass points were selected on tide controlled 1:5,000 scale infrared ratio photographs and the mean high water and mean lower low water lines were compiled graphically from them.

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 the Wild B-8 stereoplotter and 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:

None.

37. LANDMARKS AND AIDS:

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 Redondo Beach, California-Los Angeles Co., scale 1:24,000, dated 1963.

47. COMPARISON WITH NAUTICAL CHARTS:

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

ITEMS TO BE APPLIED TO NAUTICAL CHARTS IMMEDIATELY:

None.

ITEMS TO BE CARRIED FORWARD:

None.

Submitted by:

*David P. Butler*David P. Butler  
Cartographic Aid  
March 28, 1974

Approved:

*David P. Butler*

December 20, 1978

## GEOGRAPHIC NAMES

## FINAL NAME SHEET

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

TP-00791

✓ Hermosa Beach

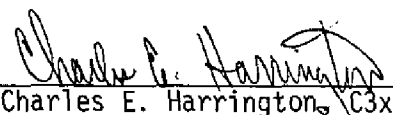
✓ Redondo Beach (Pp1)

✓ King Harbor

✓ Santa Monica Bay

✓ Pacific Ocean

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 - 00791			
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 FM	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 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 <i>Frank Margiotta</i> 4/10/75		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck, Jr.</i> A. 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 L. O. Netere, Jr. 4/12/76 <i>A. L. Shands</i> 4/15/76		SUPERVISOR <i>Albert C. Rauck, Jr.</i> A. C. Rauck, Jr.	
43. REMARKS  See form 76-36C, field edit operation, items 3 & 8 for field edit sources			

## FIELD EDIT REPORT

MAP TP-00791

REDONDO BEACH

OCTOBER 1975

Field edit of map TP-00791 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. Photogrammetric techniques were used for the location of features in question. The shore was regular sandy beach and manmade harbor quay wall with unfouled foreshore area, requiring no verification of the existence of rocks, reefs, etc. All times were based on Greenwich Mean Time.

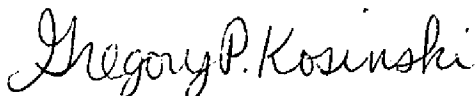
ADEQUACY OF COMPILATION

Compilation of this map was good. The hydrography for this area was run concurrently with the field edit. Field inspection of this map is complete except for the location of submerged pipelines originating at the Southern California Edison power plant in Redondo Beach. Location of these pipes will be determined in the spring of 1976.

RECOMMENDATIONS

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

Respectfully submitted:



Gregory P. Kosinski  
ENS, NOAA





[illegible]

سید محمد رفیع - ۱۳۸۷



## REVIEW REPORT

TP-00791  
SHORELINE

December 22, 1978

61. GENERAL STATEMENT:

See Summary, page 6 of this Descriptive Report.

It is noted on the field edit ozalid that pipelines shown on the chart at King Harbor were to have been located in the spring of 1976. That data was not submitted to the compilation office. The pipelines are not mapped.

62. COMPARISON WITH REGISTERED TOPOGRAPHIC MAPS:

Not applicable.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

Not applicable.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with copies of Final Verified Smooth Sheets H-9558 (FA 10-9-75) and H-9559 (FA-10-10-78). A small ledge area and an end of pier in ruin are shown on H-9558 just east of Mole C Light. There is no indication on the photographs of their existence. They were not identified by the field editor and are not shown on the map.

65. COMPARISON WITH NAUTICAL CHARTS:

Comparison was made with Chart 18744, 1:40,000 scale (King Harbor inset 1:10,000 scale), 26th edition dated May 6, 1978.

The unlabeled dash line on the chart extending seaward from King Harbor Light "2" is not represented on the map. There are no images on the photographs that indicate the existence of any feature at that position.

A building is visible on the photography on the pier near the entrance to King Harbor. The building is shown on the map but is not shown on the chart.

The compilation office has no evidence of the existence of the ledge shown on the chart east of Mole C Light. See paragraph 64.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This map compiles 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. Shands  
Final Reviewer

Approved for forwarding:

*Albert C. Rauch Jr.*

Chief, Photogrammetric Branch, AMC

Approved: *HW*

*John D. Perrau Jr.*

Chief, Photogrammetric Branch

*James C. Allen*

Chief, 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

