

TP-00790 ORIGINAL

TP-00790

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-00790
Classification No. Final	Edition No. 1
Field Edited Map	
LOCALITY	
State ... California	
General Locality ... Point Vicente to Port Hueneme	
Locality ... Manhattan Beach	
1974 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		TYPE OF SURVEY <input checked="" type="checkbox"/> ORIGINAL <input type="checkbox"/> RESURVEY <input type="checkbox"/> REVISED	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va. OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		SURVEY TP. <u>00790</u> MAP EDITION NO. <u>(1)</u> MAP CLASS <u>Final</u> JOB <u>PH-CM-7404</u>	
PHOTOGRAMMETRIC OFFICE Coastal Mapping Division Norfolk, Va. OFFICER-IN-CHARGE Jeffrey G. Carlen, Cdr.		LAST PRECEDING 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__	
I. INSTRUCTIONS DATED			
1. OFFICE		2. FIELD	
Aerotriangulation Nov 4, 1974 Compilation Jan 8, 1974		Premarking 1/30/74 Premarking 3/14/74 Amendment I	
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 ZONE California 5 and 7	
5. SCALE 1:10,000		STATE ZONE	
III. HISTORY OF OFFICE OPERATIONS			
OPERATIONS		NAME	
DATE			
1. AEROTRIANGULATION BY METHOD: Analytic LANDMARKS AND AIDS BY		B. Thornton Jan 1975	
2. CONTROL AND BRIDGE POINTS PLOTTED BY METHOD: Coradomat CHECKED BY		R. Robertson Feb 1975 R. Robertson Feb 1975	
3. STEREOSCOPIC INSTRUMENT PLANIMETRY BY COMPILATION CHECKED BY		J. Byrd Mar 1975 Neterer & Vanderhaven Mar 1975	
INSTRUMENT: Wild B-8 SCALE: 1:15,000 CONTOURS BY CHECKED BY		NA NA	
4. MANUSCRIPT DELINEATION PLANIMETRY BY CHECKED BY		David Butler Apr 1975 F. Margiotta Apr 1975	
METHOD: Smooth drafted CONTOURS BY CHECKED BY		NA NA	
SCALE: 1:10,000 HYDRO SUPPORT DATA BY CHECKED BY		D. Butler Apr 1975 F. Margiotta Apr 1975	
5. OFFICE INSPECTION PRIOR TO FIELD EDIT BY		F. Margiotta Apr 1975	
6. APPLICATION OF FIELD EDIT DATA BY		C. Parker Apr 1976	
CHECKED BY		F. Margiotta Apr 1976	
7. COMPILATION SECTION REVIEW BY		F. Margiotta Apr 1976	
8. FINAL REVIEW BY		A. L. Shands Apr 1976	
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH BY		A. L. Shands Apr 1979	
10. 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 76-36B
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00790

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	<input checked="" type="checkbox"/> STANDARD
				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
* 74L(C) 1112-1116	3/04/74	13:22	1:30,000	0.7 ft. below MLLW	
** 74L 2197(I)-2200(I)	4/05/74	08:40	1:30,000	±0.2 ft. of MHW	
** 74L 1548(I)-1552(I)	3/21/74	13:47	1:30,000	±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-00788	No survey	TP-00792	No survey

REMARKS

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEY

TP-00790

HISTORY OF FIELD OPERATIONS

I. ☒ 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 <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

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION
74L(C)1113	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
74L(C)1113	TANK		

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 original Form 152 & 2 copies 1 form 269c - 1 Form 266

NOAA FORM 76-36C
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SURVEYTP-00790
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 FAIRWEATHER personnel	Oct 1975
	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 FAIRWEATHER personnel	Oct 1975
	IDENTIFIED BY None	
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

None

2. VERTICAL CONTROL IDENTIFIED

None

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

74L(I) 1550-1551

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
74L1550	Spire		
74L1550	Tank		
74L1551	Stacks		
74L1551	Stacks		
74L1551	Tanks		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE6. BOUNDARY AND LIMITS: ☐ REPORT ☒ NONE

7. SUPPLEMENTAL MAPS AND PLANS

Standard Oil Co. pipeline plans

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

Map Tp-00790 (Field Edit copy); and Field Edit Report, OPR-411-FA-75,
Map TP-00790
2-form 76-40

NOAA FORM 76-36D
(3-72)U. S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIONTP-00790
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	Apr 1975	Class III manuscript	2/10/76	4/15/75
Field edit applied Compilation complete	Apr 1976	Class I	4/27/76	
Final Review	Jan 1979	Final	Apr 1979	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
1		5/19/76	1 Non-Floating Aid to be charted
1		5/19/76	5 Landmarks for charts
1		5/19/76	1 Landmark for deletion

2. ☒ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: May 19, 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~~ 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:

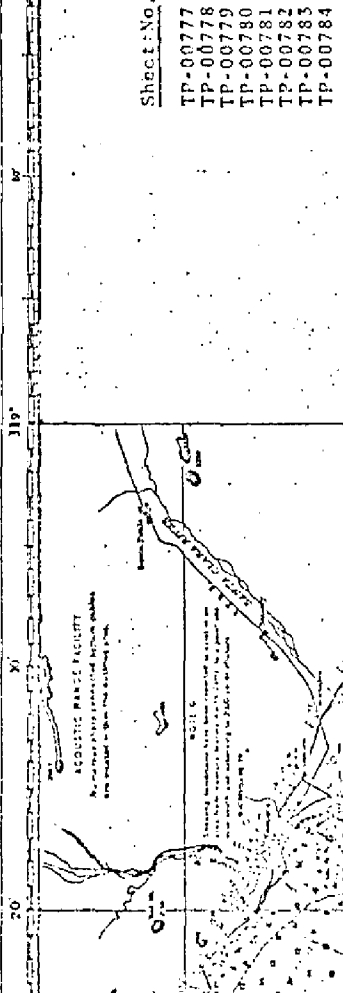
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

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	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
THIRD EDITION	SURVEY NUMBER TP - _____ (3)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	
FOURTH EDITION	SURVEY NUMBER TP - _____ (4)	JOB NUMBER PH - _____	TYPE OF SURVEY <input type="checkbox"/> REVISED <input type="checkbox"/> RESURVEY	
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	MAP CLASS <input type="checkbox"/> II. <input type="checkbox"/> III. <input type="checkbox"/> IV. <input type="checkbox"/> V. <input type="checkbox"/> FINAL	

OFFICIAL RELEASE FOR COST ACCOUNTS

Sheet No.	Area Sq. Miles	Sheet No.	Area Sq. Miles
TP-00777	3	TP-00785	3
TP-00778	2	TP-00786	3
TP-00779	3	TP-00787	1
TP-00780	3	TP-00788	3
TP-00781	3	TP-00789	2
TP-00782	3	TP-00790	3
TP-00783	3	TP-00791	2
TP-00784	3	TP-00792	3
Total		43	



ACQUATIC MARINE FACILITY
 Numerous other structures within public
 are located in the following area.

TP-00777
 TP-00778
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 TP-00780
 TP-00781
 TP-00782
 TP-00783
 TP-00784

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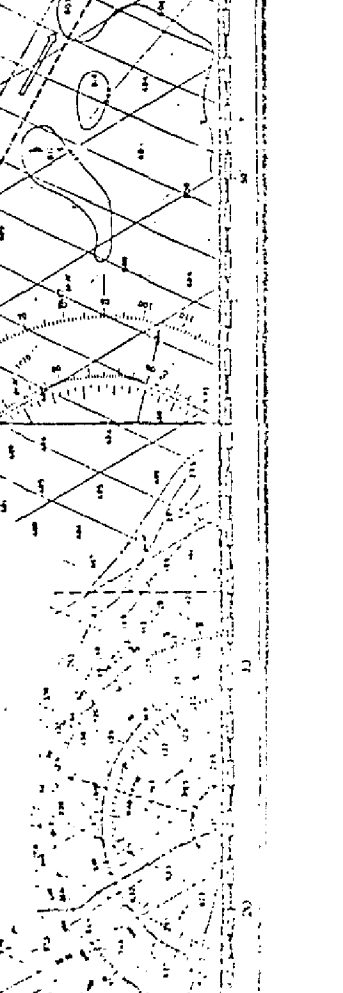
TP-00921
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JOB CM-7404
 PORT VICENTE TO PORT HUEME, CALIFORNIA
 SHORELINE MAPPING
 SCALE: 1:50,000

LEGEND
 SHORELINE CONTROL STATION



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 clarification 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 TP-00780 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 registration.

7

FIELD INSPECTION

TP-00790

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

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

8a

JANUARY 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. Tie 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

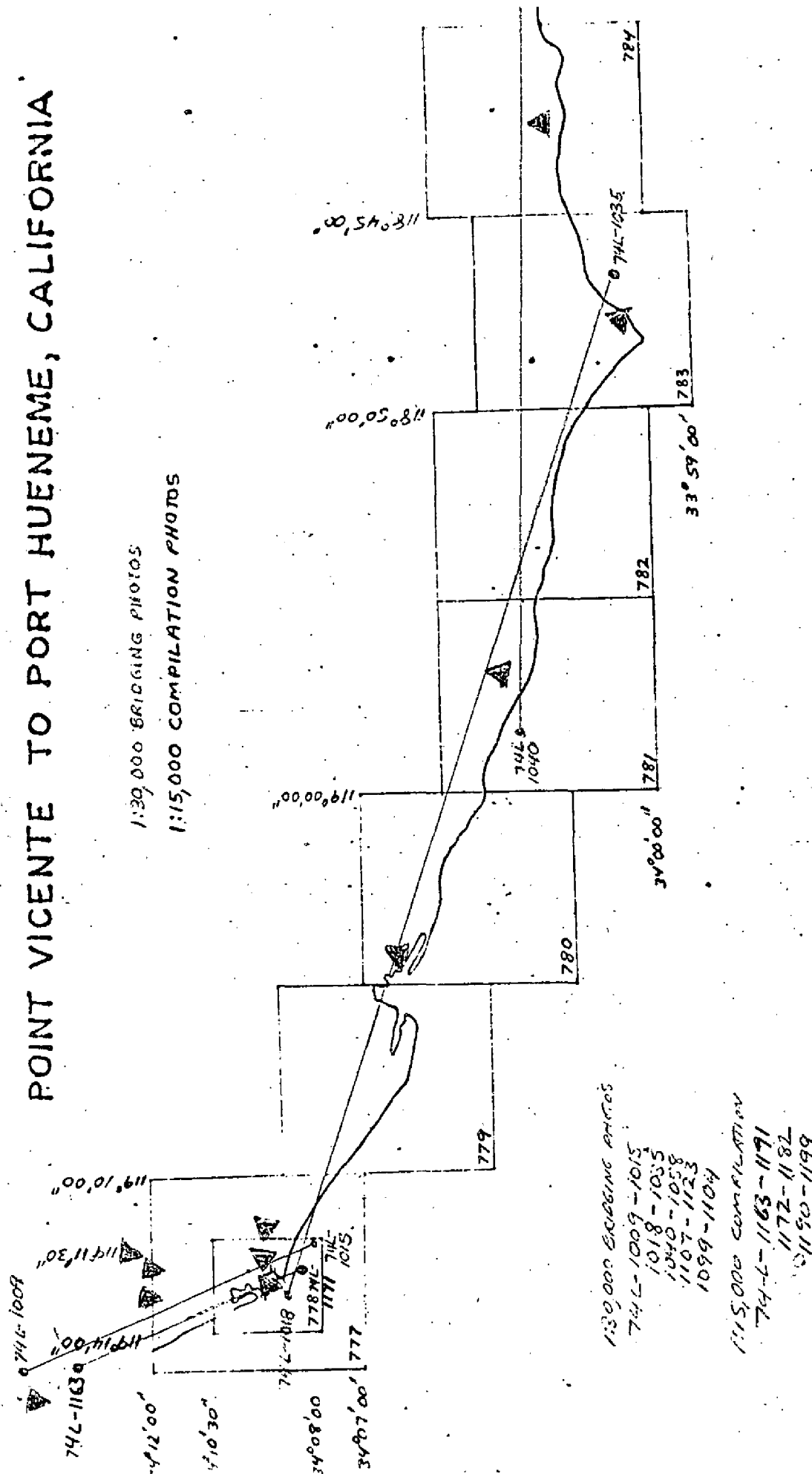
LIST AND ACCURACY OF CONTROL USED IN Strip Adjustment

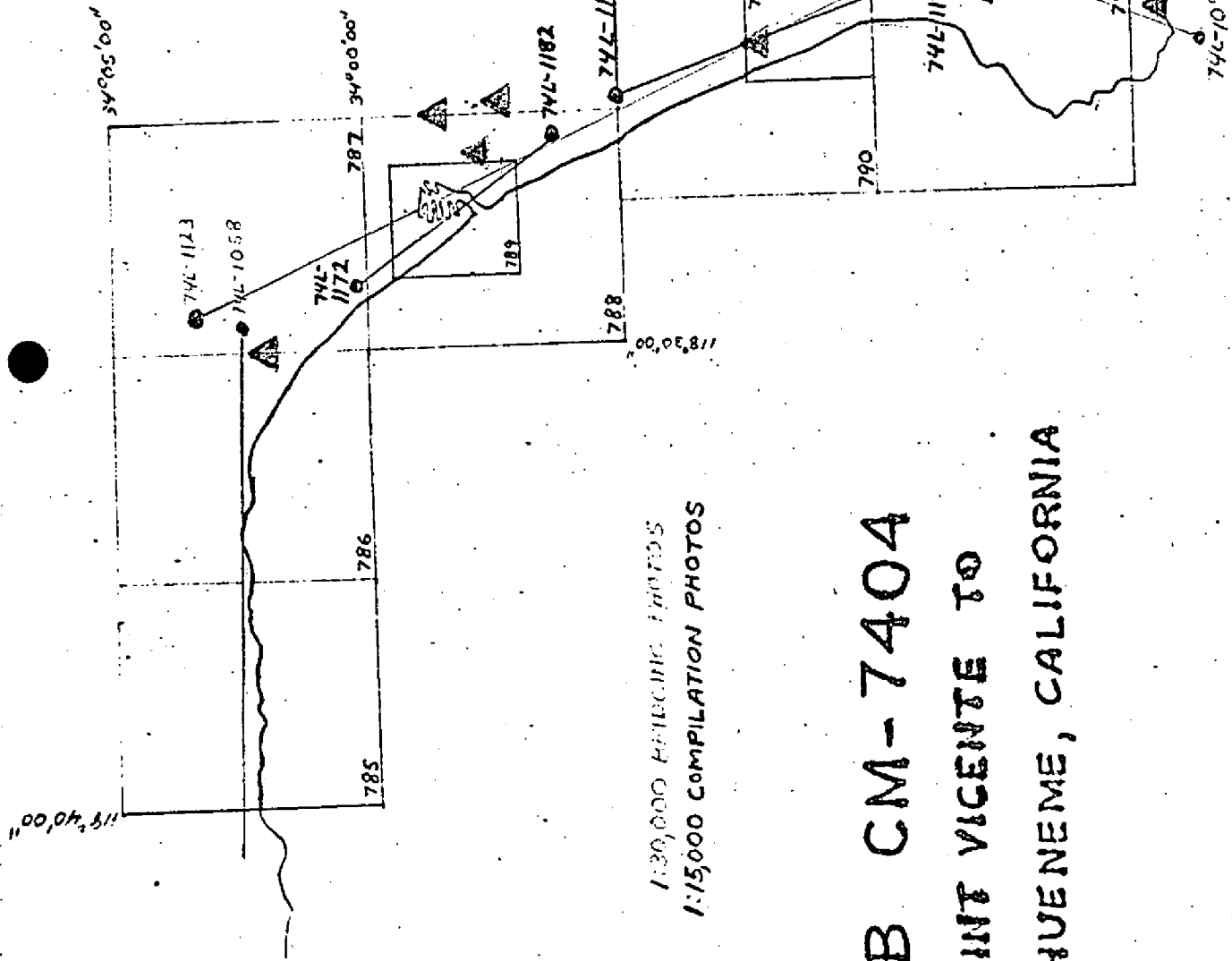
	POINT	X-ERROR	Y-ERROR
Strip #1:	9101	0	0
	11114	0	0
	13101	0	0
Strip #2:	13101	.381	.253
	24101	-1.368	-.581
	28100	1.455	.573
	34100	-.475	-.246
Strip #3:	28100	.626	1.068
	50100	-.267	1.023
	58101	.064	-.204
Strip #4:	108101	-1.954	-.873
	111111	2.718	3.046
	113101	-.123	-2.005
	117100	-1.029	-.525
	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 PHOTOS

1:15,000 COMPILATION PHOTOS



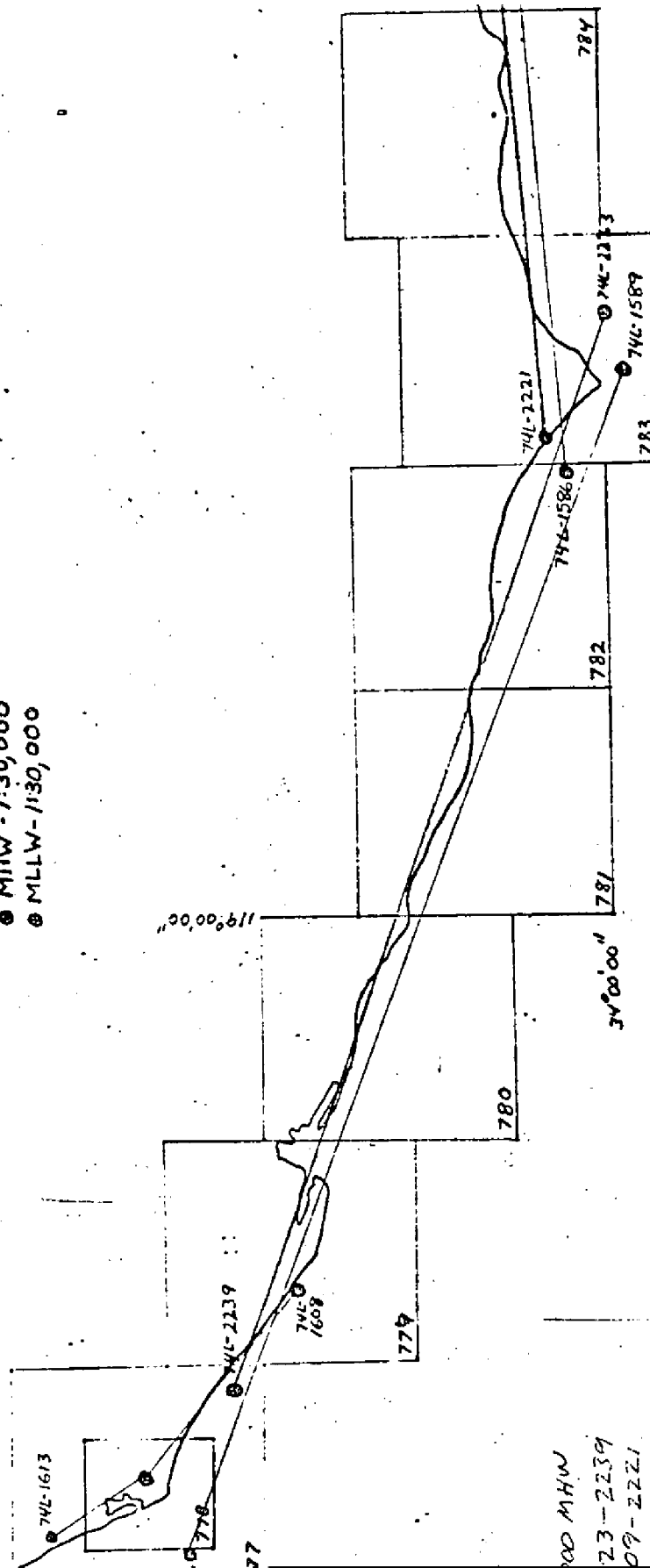


JOB CM-7404 POINT VICENTE TO PORT HUENEME, CALIFORNIA

JOB CM-7404

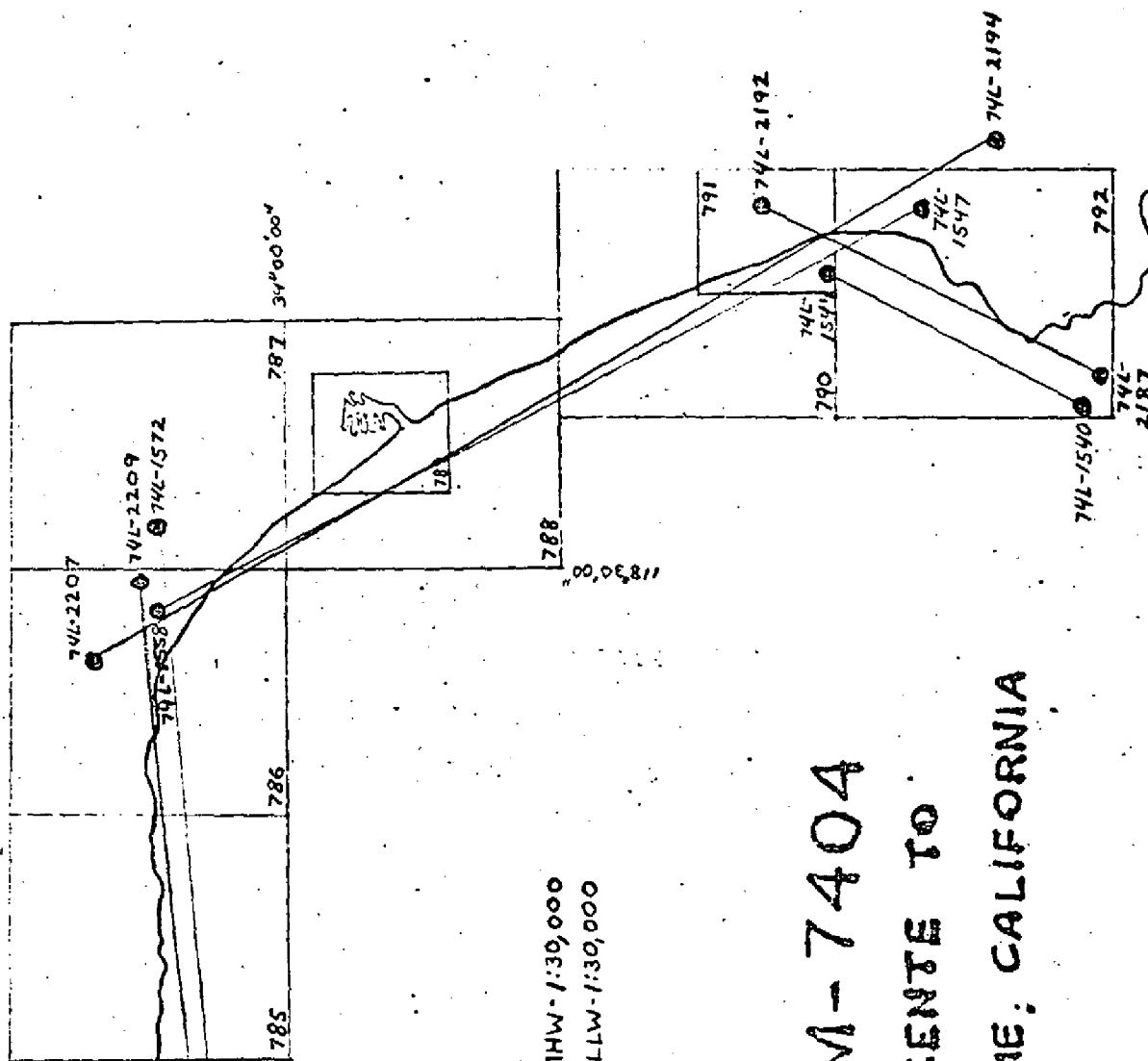
POINT VICENTE TO PORT HUENEME, CALIFORNIA

● MHW - 1:30,000
● MLLW - 1:30,000



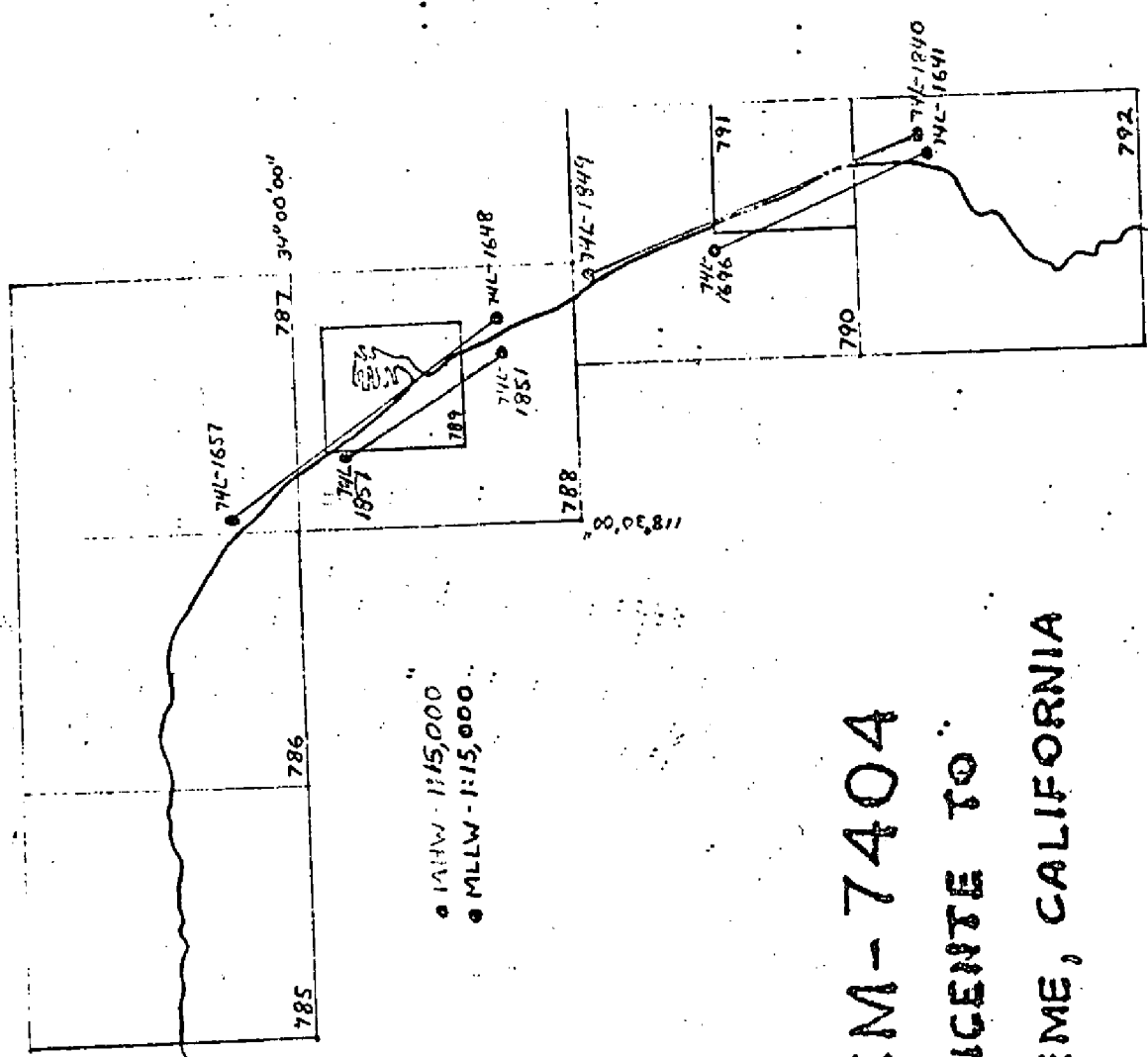
000 MHW
23-2239
09-2221
4-2207
7-2192

000
608-1613
589-1606
72-1586
47-1558
40-1544



● MHW - 1:30,000
■ MLLW - 1:30,000

JOB CM-7404 POINT VICENTE TO PORT HUENEME, CALIFORNIA



JOB CM-7404
POINT VICENTE TO
PORT HUENEME, CALIFORNIA

COMPILATION REPORT

TP-00790

31. DELINEATION:

Delineation was by the Wild-B-8 stereoplotter, using 1:30,000 color photography. Common pass points were selected on both mean high and mean lower low water photographs.

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:

None.

37. LANDMARKS AND AIDS:

Forms 76-40 were forwarded to the field editor for further

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 Venice Quadrangle, California-Los Angeles Co., scale 1:24,000, dated 1964.

47. COMPARISON WITH NAUTICAL CHARTS:

A comparison has been made with National Ocean Survey Chart 18301, scale 1:40,000, 18th edition, dated 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
April 4, 1975

Approved:

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

December 20, 1978

GEOGRAPHIC NAMES

FINAL NAME SHEET

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

TP-00790

El Segundo ✓

✓ Manhattan Beach

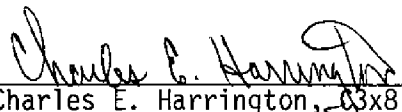
Hermosa Beach ✓

✓ Pacific Ocean

Los Angeles ✓

✓ Santa Monica Bay

Approved by:


Charles E. Harrington, 03x8
Chief Geographer

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

PHOTOGRAMMETRIC OFFICE REVIEW

TP - 00790

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 Frank Margiotta 4/11/75 <i>Frank Margiotta</i>		SUPERVISOR, REVIEW SECTION OR UNIT <i>Albert C. Rauck Jr.</i> Albert C. Rauck, Jr.	
41. REMARKS (See attached sheet)			
FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT			
42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.			
COMPILER <i>Albert C. Rauck Jr.</i> Charles Parker Apr 1976 Frank Margiotta Apr 1976 <i>Frank Margiotta</i>		SUPERVISOR <i>Albert C. Rauck Jr.</i> Albert C. Rauck, Jr.	
43. REMARKS See form 76-36C, field edit operation, items 3, 4, 7 and 8 for field edit sources.			

FIELD EDIT REPORT

MAP TP-00790

MANHATTAN BEACH

OCTOBER 1975

Field edit of map TP-00790 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.

METHOD

Photographs and a paper copy of the field edit ozalid were examined in the field. Photogrammetric techniques were used for location of features in question. The shore was regular sandy beach with unfouled foreshore area, requiring no verification of existence of rocks, reefs, etc. All times were based on GMT. Divers were sent down in the murky waters of Manhattan Beach to search for pier ruins, and closely spaced sounding lines were run over the suspected ruins area, but none were found. However, due to the poor visibility, the existence of ruins cannot be entirely ruled out.

ADEQUACY OF COMPILATION

Compilation of this map is generally 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 Standard Oil Company of California refinery in El Segundo and the Southern California Edison power plant in El Segundo. 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
Gregory P. Kosinski
ENS, NOAA

Original sent to charts May 19, 1976

NOAA FORM 76-40 (8-74) Replaces C&GS Form 567.				U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION				ORIGINATING ACTIVITY			
REPORTING UNIT (Field Party, Ship or Office)		STATE	LOCALITY	DATE	METHOD AND DATE OF LOCATION (See instructions on reverse side)		CHARTS AFFECTED				
TO BE CHARTED <input checked="" type="checkbox"/> TO BE REVISED <input type="checkbox"/> TO BE DELETED		REPORTING UNIT (Field Party, Ship or Office)	STATE	LOCALITY	DATE	OFFICE	FIELD				
The following objects HAVE <input checked="" type="checkbox"/> BEEN INSPECTED FROM SEAWARD TO DETERMINE THEIR VALUE AS LANDMARKS.		California		Point Vicente to Port Hueneme	Apr. 1976	74L(I) 2199 April, 1974	F-V-Vis. Oct. 1975	18301 18740			
OPR PROJECT NO.	JOB NUMBER	SURVEY NUMBER	DATUM	POSITION							
411	CM-7104	TP-00790	N.A. 1927								
CHARTING NAME	DESCRIPTION (Record reason for deletion of landmark or aid to navigation. Show triangulation station names, where applicable, in parentheses.)	LATITUDE		LONGITUDE							
		° / ' " D.M. Meters	° / ' " D.P. Meters	° / ' " D.M. Meters	° / ' " D.P. Meters						
STACK		33 54	34.89 1075	118 25	26.78 688						
STACK		33 54	33.11 1020	118 25	25.84 664						
TANK		33 54	24.47 754	118 25	18.92 486						
TANK		33 54	21.49 662	118 25	17.36 446						
SPIRE		33 53	21.16 652	118 24	20.47 526						

14c

[illegible]

REVIEW REPORT

TP-00790
SHORELINE

January 22, 1979

61. GENERAL STATEMENT:

See Summary page 6 of this Descriptive Report. The field editor labeled four stacks and six tanks on the field edit ozalid, "of landmark value." However, he included only two tanks and two stacks on the 76-40 forms. Because all of these features are in the same general area, the compilation office has symbolized only those features listed on the 76-40 form as actual landmarks. The others are shown as map features.

The southerly of two Refinery Berth 4 submerged pipelines was not compiled during the application of field edit. It was added during final review.

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} ~~Veried~~ Smooth Sheet H-9595 (FA-10-10-75). Except for the pipeline addition noted in paragraph 61 above, 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. There are no significant differences.

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. Shands
Final Reviewer

Approved for forwarding:

Albert C. Raneck Jr.

Chief, Photogrammetric Branch, AMC

Approved: *AW*

John D. Perraw Jr.

Chief, Photogrammetric Branch

James 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

