ORIGINAL

11872(2)

11872(2)

NOAA FORM 76-35

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

DESCRIPTIVE REPORT

Type of Survey ..... Shoreline (Revision) .....

Job No. PH-6702 ..... Map No. T-11872(2)

Classification No. FIELD EDITED MAP * See below ..... Edition No. ..2.....

LOCALITY

State ..... California .....

General Locality Pacific Ocean Coastline ...

Locality ... Leucada .....

.....

~~1970 TO 1975~~
1966 TO 1972

REGISTRY IN ARCHIVES

DATE .....

☆ U.S. GOVERNMENT PRINTING OFFICE: 1973-761-775

* Mean high water and mean lower low water lines were delineated from office interpretation of the photographs. Scope of map revision outlined in SUMMARY.

(1)

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

DESCRIPTIVE REPORT - DATA RECORD

TYPE OF SURVEY: ☐ ORIGINAL ☐ RESURVEY ☒ REVISED

SURVEY NO. T-11872(2)

MAP EDITION NO. (2)

MAP CLASS

JOB PH-6702

PHOTOGRAMMETRIC OFFICE: Atlantic Marine Center

OFFICER-IN-CHARGE: Alfred C. Holmes - Director

LAST PRECEEDING MAP EDITION

TYPE OF SURVEY: ☒ ORIGINAL ☐ RESURVEY ☐ REVISED

JOB PH-6011

MAP CLASS FIELD EDITED

SURVEY DATES: 1960 TO 1962

I. INSTRUCTIONS DATED

1. OFFICE		2. FIELD
Revision Compilation	8/23/66	FIELD EDIT, dated Sept 2, 1969
Revision Compilation Amend #1	12/8/66	FIELD-SUPP. 1, dated Feb. 25, 1972
Revision Compilation Amend #2	2/17/67	FIELD EDIT INSTRUCTIONS INCLUDED
Revision Compilation Amend #3	12/7/67	IN OPR(HYDRO) INSTRUCTIONS
Revision Compilation Amend #4	8/10/72	
" " " #5	9/23/74	

II. DATUMS

1. HORIZONTAL: ☒ 1927 NORTH AMERICAN — OTHER (Specify)

2. VERTICAL: ☒ MEAN HIGH-WATER ☐ MEAN LOW-WATER ☒ MEAN LOWER LOW-WATER ☐ MEAN SEA LEVEL — OTHER (Specify)

3. MAP PROJECTION: Polyconic

4. GRID(S): STATE: California; ZONE: 6

5. SCALE: 1:10,000 — STATE: ; ZONE:

III. HISTORY OF OFFICE OPERATIONS

OPERATIONS		NAME	DATE
1. AEROTRIANGULATION METHOD: None	BY	~~See Project Compilation~~	
	LANDMARKS AND AIDS BY	~~Report~~	~~Mar, 1968~~
2. CONTROL AND BRIDGE POINTS METHOD: None	PLOTTED BY	~~See Project Compilation~~	
	CHECKED BY	~~Report~~	~~Mar, 1968~~
3. STEREOSCOPIC INSTRUMENT COMPILATION INSTRUMENT: None SCALE:	PLANIMETRY BY	NA	
	CHECKED BY	NA	
	CONTOURS BY	NA	
	CHECKED BY	NA	
4. MANUSCRIPT DELINEATION METHOD: Graphic SCALE: 1:10,000	PLANIMETRY BY	B. Wilson	Jan, 1968
	CHECKED BY	L. Graves	Mar, 1968
	CONTOURS BY	NA	
	CHECKED BY	NA	
	HYDRO SUPPORT DATA BY	B. Wilson	Jan, 1968
	CHECKED BY	L. Graves	Mar, 1968
5. OFFICE INSPECTION PRIOR TO FIELD EDIT	BY	L. Graves	Mar, 1968
6. APPLICATION OF FIELD EDIT DATA	BY	R. White	Jul, 1972
	CHECKED BY	C. Blood	Jul, 1972
7. COMPILATION SECTION REVIEW	BY	C. Blood	Jul, 1972
8. FINAL REVIEW	BY	Bernard Kurs, AMC *	Jan, 1975
9. DATA FORWARDED TO PHOTOGRAMMETRIC BRANCH	BY		
10. DATA EXAMINED IN PHOTOGRAMMETRIC BRANCH	BY	S. Blankenbaker	APR. 1975
11. MAP REGISTERED - COASTAL SURVEY SECTION	BY	R. Cator	JUN 1975

NOAA FORM 76-36A — SUPERSEDES FORM C&GS 181 SERIES

* U.S. G.P.O. 1972-769382/582 REG.#6

* Refer to SUMMARY, Page 6, Concerning revision work by B. Kurs in 1974 & 1975

(2)

NOAA FORM 76-36B
(3-72)

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

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S): Wild RC-8 "S"

TYPES OF PHOTOGRAPHY LEGEND: (C) COLOR X; (P) PANCHROMATIC; (I) INFRARED X

TIME REFERENCE: ZONE 8th; MERIDIAN 120th; [X] STANDARD; [ ] DAYLIGHT

TIDE STAGE REFERENCE:
- [X] PREDICTED TIDES (1966 PHOTOGRAPHY) *
- [ ] REFERENCE STATION RECORDS
- [X] TIDE CONTROLLED PHOTOGRAPHY (SEE REMARKS) 1972 PHOTOGRAPHY

NUMBER AND TYPE	DATE	TIME (mean)	SCALE	STAGE OF TIDE
66S-4703I	8/7/66	13:11 PST	1:30,000	0.3 ft. below MHW
66S-4711I & 4712I	8/7/66	13:11 PST	1:30,000	0.3 ft. below MHW
66S(C)-4524A - 4526A	8/7/66		1:20,000	
66S(C)-4556A - 4558A	8/7/66		1:20,000	
72-L-2440R - 2445R	3/23/72	13:00 PST	1:20,000	MLLW (0.0 ft.)

REMARKS: TIDE STATION FOR 1972 PHOTOGRAPHY - OCEANSIDE, CALIF.
* THE 1966 PHOTOGRAPHS USED IN FIRST REVISION ACTIVITY (CLASS III MANUSCRIPT STAGE)

2. SOURCE OF MEAN HIGH-WATER LINE:

1:20,000 scale infrared photography, dated 3/23/72 (listed above)
NOTE: Line office interpreted subsequent to field edit.

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

1:20,000 ~~color~~ infrared photography, dated 3/23/72 (listed above)
NOTE: Line office interpreted subsequent to field edit.

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
T-11871	No survey	T-11873	No survey

REMARKS

* U.S. G.P.O. 1972-769381/568 REG.#6

(3)

NOAA FORM 76-36C
(3-72)

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

HISTORY OF FIELD OPERATIONS

I. ☐ FIELD INSPECTION OPERATION ☒ FIELD EDIT OPERATION

OPERATION		NAME	DATE
1. CHIEF OF FIELD PARTY		R.E. Moses, CDR	Mar, Apr., 1970
2. HORIZONTAL CONTROL	RECOVERED BY	R.E. Moses, CDR	Apr, 1970
	ESTABLISHED BY	None	
	PRE-MARKED OR IDENTIFIED BY	None	
3. VERTICAL CONTROL	RECOVERED BY	NA	
	ESTABLISHED BY	NA	
	PRE-MARKED OR IDENTIFIED BY	NA	
4. LANDMARKS AND AIDS TO NAVIGATION	RECOVERED (*Triangulation Stations*) BY	None	
	LOCATED (*Field Methods*) BY	None	
	IDENTIFIED BY	None	
5. GEOGRAPHIC NAMES INVESTIGATION	TYPE OF INVESTIGATION ☐ COMPLETE ☐ SPECIFIC NAMES ONLY ☒ NO INVESTIGATION — BY		
6. PHOTO INSPECTION	CLARIFICATION OF DETAILS BY	G. Endrud & B. Fisher	3, 4, 1970
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY	None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED
None

2. VERTICAL CONTROL IDENTIFIED
NA

PHOTO NUMBER	STATION NAME	PHOTO NUMBER	STATION DESIGNATION

3. PHOTO NUMBERS (*Clarification of details*)

66S(C)-4526A, 4556A and 4558A - 66S-4711I

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

None

PHOTO NUMBER	OBJECT NAME	PHOTO NUMBER	OBJECT NAME
	Refer to page 12 (footnote)		

5. GEOGRAPHIC NAMES: ☐ REPORT ☒ NONE

6. 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*)

Field Edit Ozalid

* U.S. G.P.O. 1972-769381/567 REG.#6

(4)

NOAA FORM 76-36D
(3-72)

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
~~Compilation Complete~~	~~Dec., 1963~~	~~Superseded~~		
Shoreline Revised For Hydro.	Jan., 1968	Class III map manuscript DESIGNATED-RS-SURVEY Superseded REDESIGNATED-2ND Map Edition Sept. 1969	April 1968	Date unknown
Apr., 1970 Field Edit Applied	Jul., 1972	Class I manuscript Superseded	None	
REVISED FROM 1972 PHOTOS Final Review	1974-1975 Jan., 1975	superseded	None	

II. LANDMARKS AND AIDS TO NAVIGATION

1. REPORTS TO MARINE CHART DIVISION, NAUTICAL DATA BRANCH

NUMBER	CHART LETTER NUMBER ASSIGNED	DATE FORWARDED	REMARKS
			Refer to page 12 (footnote)

2. ☐ REPORT TO MARINE CHART DIVISION, COAST PILOT BRANCH. DATE FORWARDED: _____
3. ☐ REPORT TO AERONAUTICAL CHART DIVISION, AERONAUTICAL DATA SECTION. DATE FORWARDED: _____

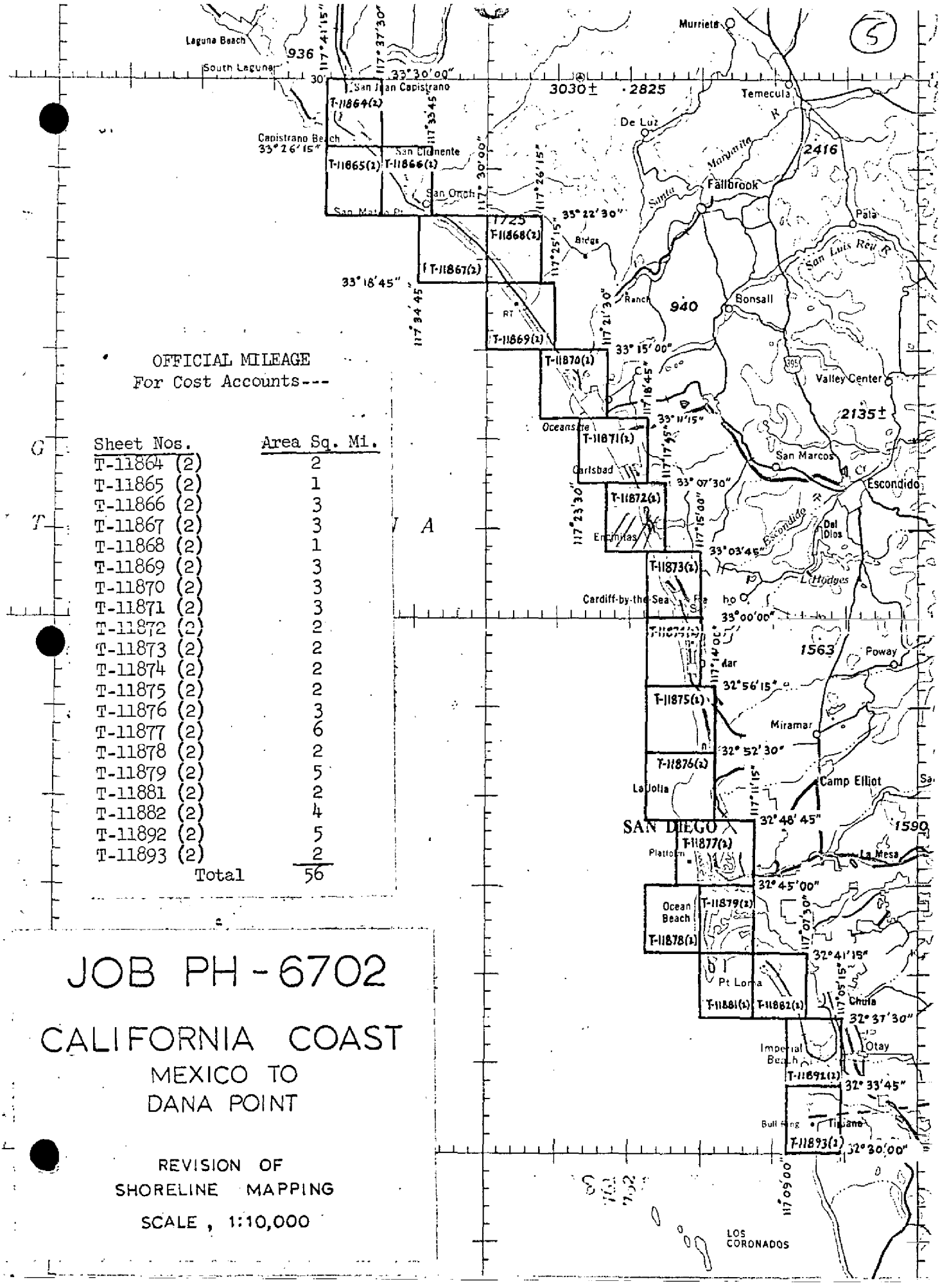
III. FEDERAL RECORDS CENTER DATA

1. ☐ BRIDGING PHOTOGRAPHS; ☐ DUPLICATE BRIDGING REPORT; ☐ COMPUTER READOUTS.
2. ☐ CONTROL STATION IDENTIFICATION CARDS; ☐ FORM NOS 567 SUBMITTED BY FIELD PARTIES.
3. ☐ SOURCE DATA *(except for Geographic Names Report)* AS LISTED IN SECTION II, NOAA FORM 76-36C. ACCOUNT FOR EXCEPTIONS: Photographs and F.E. SHEET
4. ☐ DATA TO FEDERAL RECORDS CENTER. DATE FORWARDED: _____

IV. SURVEY EDITIONS *(This section shall be completed each time a new map edition is registered)*

	SURVEY NUMBER	JOB NUMBER	TYPE OF SURVEY / MAP CLASS
SECOND EDITION	TP - _____ (2)	PH - _____	☐ REVISED ☐ RESURVEY ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
THIRD EDITION	TP - _____ (3)	PH- _____	☐ REVISED ☐ RESURVEY ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	
FOURTH EDITION	TP - _____ (4)	PH - _____	☐ REVISED ☐ RESURVEY ☐ II. ☐ III. ☐ IV. ☐ V. ☐ FINAL
	DATE OF PHOTOGRAPHY	DATE OF FIELD EDIT	

☆U. S. GOVERNMENT PRINTING OFFICE: 1973--778075/1077 REGION NO. 6



OFFICIAL MILEAGE
For Cost Accounts---

Sheet Nos.	Area Sq. Mi.
T-11864 (2)	2
T-11865 (2)	1
T-11866 (2)	3
T-11867 (2)	3
T-11868 (2)	1
T-11869 (2)	3
T-11870 (2)	3
T-11871 (2)	3
T-11872 (2)	2
T-11873 (2)	2
T-11874 (2)	2
T-11875 (2)	2
T-11876 (2)	3
T-11877 (2)	6
T-11878 (2)	2
T-11879 (2)	5
T-11881 (2)	2
T-11882 (2)	4
T-11892 (2)	5
T-11893 (2)	2
Total	56

JOB PH-6702

CALIFORNIA COAST

MEXICO TO
DANA POINT

REVISION OF
SHORELINE MAPPING

SCALE, 1:10,000

Summary (Revised) to Accompany Descriptive Reports
Job PH-6702

This job consists of twenty 1:10,000-scale revised shoreline maps covering the area from Dana Point, California, to the Mexican border. The original (registered) maps were produced as a part of PH-6011.

Revision, using 1966 photography, by graphic method, was accomplished by the Coastal Mapping Section, AMC, during 1967 and 1968.

As indicated in Descriptive Report records, copies of the twenty (20) Class III map manuscripts were furnished to the Marine Chart Division in 1968. At that time the map manuscripts were designated as "RS" manuscripts (Nos. 842 through 861).

Field edit was accomplished from 1968 to 1972. In September 1969 the 20 map manuscripts were redesignated as second editions of the original registered maps (produced as a part of PH-6011).

All field edit data was applied by the Coastal Mapping Section, AMC.

Revision of the Class I (field edited) manuscripts with tide-coordinated infrared photographs taken in 1972 was originally assigned to the Revision Survey Section, Rockville. This work was completed by the final review activity, AMC, in 1974 and 1975.

Interior details were revised in Rockville; the MHW line and features seaward from the line (including the MLLW line) were revised at the AMC. Interior features were not examined by the final review activity (AMC).

Comments concerning application of the 1972 tide-coordinated photographs to the map manuscripts, which were included in the "Summary" prepared by the final reviewer follow: "Revision was by graphic methods. In places where 1972 photography could not be held to previous control or planimetry, additional control, using common points with 1966 photography, were cut in to control the infrared photographs".

"In comparison with (those) contemporary hydrographic survey sheets (available the time of final review) it was found that the soundings stopped at the breaker line, leaving no conflicts with the photogrammetric surveys. Most of the foreshore area consisted of sand, pebbles, and boulders with the exception of the Point Loma area. This is an inherent stable shoreline extensively made up of ledge on the seaward site. Since

breakers are almost continuous throughout the project, the seaward limits of the ledges, (the MLLW line) were difficult to determine. However, it is felt by the reviewer that they are adequate (as shown). These limits were not determined by the field editor."

There was considerable surf action at the time of photography. The interpretation and delineation of the MHW and MLLW lines were not verified during the examination of job data by the quality control activity, Rockville. Based on an earlier examination of the photography in Rockville and the final reviewer's evaluation, above, these lines are considered adequate for nautical navigational purposes. Photographs taken when there is less surf action or photographs supplemented by foreshore profiles are required for a more accurate determination of these lines.

Conflicts in recorded information as well as omissions of information were found to exist in records upon examination of the Descriptive Reports and the Job Completion Report in the Rockville Office. It is believed that this resulted from (1) the long operational period for the job, (2) the division of responsibilities between several activities and the several field edit operations for some maps in the job. Some records were lost. The Descriptive Reports and Job Completion Report Records were corrected insofar as practicable during this examination.

No record for the submission of Form 76-40 (Landmarks and Aids to Navigation) to the Marine Chart Division was found. Available forms were submitted to the Marine Chart Division in April 1975.

(8)

FIELD INSPECTION REPORT

There was no field inspection prior to compilation.

(9)

REVISION REPORT
PH-6702
DANA POINT, CALIF. TO MEXICO

Twenty manuscripts were revised and photo hydrographic support data were prepared. Work was started at the south end of the project and progressed to the north.

PHOTOGRAPHY

All revision was by graphic methods using photography taken in 1966 with the "S" type camera. These were 1:30,000 scale with infrared at mean high water and 1:20,000 scale color at mean lower low water. Some difficulty was noted in defining the exact centers of the ratio prints from the M.L.L.W. color photography. (See attached "Notes for the Hydrographer" explaining this deficiency and Resolution.)

CONTROL

Direct or stereo transfer of identifiable horizontal control (triangulation, original bridge pass points, landmarks and/or aids) was made from any remaining original photography (office of field prints) to the 1966 color ratios and infrared ratios. The infrared ratios were first determined from points common to the manuscripts and the infrared contact prints. These ratios (in cronapaque only) were then processed and new points intersected common to the color contact prints. These distances then determined the ratio factor for the color ratios (in black and white).

In areas of the project where control such as identifiable triangulation stations, original bridge pass points, or landmarks and/or aids, were scare or no longer in existance for transfer to the new photography; an alternative method of identifying common points of details was used. i.e.: Street intersections, R.R. and street crossings, or any other well defined point of detail.

SHORELINE AND ALONGSHORE DETAILS:

In as much as project instructions called for shoreline revision only, with a few exceptions, such as new landmarks, and new highways within the compilation limits; the M.L.L.W.L., foreshore area, and alongshore area was revised from the M.L.L.W. photos. The M.H.W.L. was revised from the infrared photos. All revisions were made in red plastic ink, office reviewed and appropriate data prepared for hydro support and further field edit. Nine survey sheets, with hydro support data and edit ozalids have been forwarded to the Pacific Marine Center. Of these, only two have been returned with pertinent field edit data. They are T-11892 and T-11893. (See attached copies of transmittals.) One cronaflex copy and one ozalid copy of each of the twenty revised sheets have also been forwarded to Mr. Lewis Evans, III for his files.

The remaining eleven revised surveys, with all hydro support data were forwarded to Mr. Fitzgerald's office for storage until future ship assignment. All remaining data is forwarded to Mr. Wolfe for adequate and safe storage.

LANDMARKS AND AIDS

Two new landmarks were photogrammetrically established. They are: Standpipe, 1966 on T-11873, and Tank, 1966 on T-11872. These were identified on original field inspection photos 60-S-456A and 60-S-516A, dated 12/8/61 and 12/1/61. Neither were delineated on the original compilations, nor were they previously charted. Forms 567 were requested of any future field edit party.

FINAL REVIEW

All twenty surveys or manuscripts are subject to a final review and completion of reports, after application of any future field edit. Further scribing or smooth draft for final registration in Bureau Archives is a subject for future discussion and decision.

Submitted by

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.
Supervisory Cartographer
Coastal Mapping
Atlantic Marine Center,
Norfolk, Virginia

March 29, 1968

(11)

PROJECT SUMMARY

This revision of PH-6011, under revision instructions for PH-6702, consisted of 20 shoreline manuscripts. These "Manuscripts" were black-line impressions on vinylite of the original PH-6011 smooth drafted surveys.

The purpose of this project was to revise the "New Base" manuscripts graphically with new 1966 photography and to provide new hydrographic support data.

Albert C. Rauck, Jr.

Albert C. Rauck, Jr.
Supervisory Cartographer

(12)

PH-6702

DANA POINT, CALIFORNIA TO MEXICO

ADDENDUM TO COMPLETION REPORT - FIELD EDIT

The field edit of these 20 revised map manuscripts was accomplished during the field seasons from February 1970 through March 1972.

The following tabulated list of manuscripts indicate dates of edit and application.

Map No.	Date of Field Edit	Date of Application
T-11864 (2)	March, 1972	July, 1972
T-11865 (2)	March, 1972	July, 1972
T-11866 (2)	March, 1972	July, 1972
T-11867 (2)	March, 1972	July, 1972
T-11868 (2)	March, 1972	July, 1972
T-11869 (2)	March-April 1970, March 1972	July, 1972
T-11870 (2)	Mar.-Apr.May, 1970, Dec. 1971	July, 1972
T-11871 (2)	Mar.-Apr.May, 1970, Dec. 1971	July, 1972
T-11872 (2)	March-April, 1970	July, 1972*
T-11873 (2)	March-April, 1970, Dec. 1971	July, 1972
T-11874 (2)	March-April, 1970,	July, 1972
T-11875 (2)	Feb. 1970	July, 1972
T-11876 (2)	Feb. Mar.Apr. 1970, Feb. 1968	Dec. 1968 and Aug. 1972
T-11877 (2)	Feb. Mar.Apr. 1970	April 1968 and July 1972
T-11878 (2)	Feb. Mar.Apr. 1970, Feb. 1968	April 1968 and July 1972
T-11879 (2)	Feb. 1970, Feb. 1968	Dec. 1968 and July 1972
T-11881 (2)	Feb. 1970, Feb. 1968	Dec. 1968 and July 1972
T-11892 (2)	Feb. 1970, Feb. 1968	May 1967, Dec. 1968 Aug. 1972
T-11893 (2)	Feb. 1970, Feb. 1968	May 1967, Dec. 1968 Aug. 1972

Field edit was applied from data furnished on the field edit ozalids and the field ratio photographs. Landmarks and non-floating aids to navigation, when photo identified or when positions were determined by field methods, were plotted or verified on each map.

There are 12 form 76-40 and 5 form 567 submitted by the various field edit parties throughout the several field seasons. Those which were out of the project limits, were not plotted and the forms were so indicated.* The field edit report for T-11872 mentions submission of Form 567 for landmarks. Reference is made on the field edit sheet for one landmark, indicating photograph & Form 567. This object falls outside map limits. No Form 567 found with other records at the time of this examination in the Rockville office (1975).

↑

FORM 567 found in Descriptive Report for T-11874. Copy included, page 20.

During the intervening years of the span of field seasons, there were duplications of forms for landmarks and/or aids, and many aids were moved or renamed. An attempt to clarify these items, necessitated pencil notations on the forms as an assist to the Chart Revision Section if future revision is to be necessary. The field editor of March, 1972, made reference to 1972 photography, which was not made available to the Atlantic Marine Center. It is believed that these photos will be utilized to further revise the M.H.W.L.

Refer to footnote, Page

There were many Triangulation Stations recovered during the field seasons. Forms 526 were submitted by the field editors and these were checked against those control stations previously plotted on the maps. Those for which no positions were available were not plotted, as no geodetic control was furnished the AMC compilation office during the revision of this project.

Several measured distances to the MHWL were given by the field editor. These could not be used, when drastic changes were indicated and it was deemed advisable to have these incorporated with future revision from the 1972 photographs. A few of the measurements were in agreement with the 1966 revised MHWL.

The most noted difficulty encountered in applying the field edit, concerned the location of lights and beacons on Map T-11882. The field editor submitted form 567 for a group of non-floating aids in Glorietta Bay and Coronado Cay Channel for which he gave no positions.

The lights in these areas are triangulated and the beacons were located by sextant fixes from the lights, but without the geodetic positions of the lights, the beacons could not be plotted.

There is an overlap of 1'15" in longitude between Map T-11864 of Project PH-6702 and Map TP-00415 of Project PH-7107. This was necessary due to the change of format size between the projects.

Shoreline and other details were made to agree in the overlap junction by delineating T-11864 to conform with TP-00415 which was compiled with later photography.

Submitted by:

Albert C. Rauck Jr.

Albert C. Rauck, Jr.
Supervisory Cartographer
Coastal Mapping Division
Atlantic Marine Center
Norfolk, VA 23510
August 9, 1972

(14)

26 August 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-6702 (Southern California Coastline)

T-11872 (2)

Atchison Topeka and Santa Fe (RR)

Batiquitos Lagoon

Canyon de las Encines

Carlsbad

Gulf of Santa Catalina

La Costa State and County Park

Leucadia

Pacific Ocean

Ponto

Ponto Beach State Park

Approved by:

Chas. E. Harrington

Chas. E. Harrington
Staff Geographer-C51x2

(15)

19. NOTES FOR THE HYDROGRAPHER :

Two sets of photographs were used in the compilation of the revised shoreline on these surveys.

One set of infrared photographs at MHW were used in the delineation of the MHW line. The second set, in color, were taken at MLLW and were used only for the delineation of the MLLW line and other low water features. Both sets of photos were ratioed to the scale of the maps.

Some difficulty was encountered in defining the exact centers of the ratio photos made from the MLLW color photos which are furnished to you. The original photos were of such quality that the fiducial marks did not produce well and did not appear on the contact prints nor the ratioed prints. Several attempts or methods were made to define these fiducial marks, but without success. It was, therefore, necessary to locate these photo centers by a method that at best is only approximate. This information is made available to you, should you encounter any difficulty in laying these photos to their respective centers on the map sheets while "cutting in" your photo hydro stations.

Appropriate notes will be found on the "FIELD EDIT OZALID" calling your attention to items in need of further clarification and/or edit.

(14)

FIELD EDIT REPORT
MAP T-11872
Southern California
OPR-411
March-April 1970

Field edit of map T-11872 was done by Lt(jg.) Glenn H. Endrud and Lt(jg.) Bruce Fisher in March and April, 1970. Inspection was made on foot from a vehicle.

METHOD

Field photographs and a copy of the field edit ozalid were taken into the field. Verification was done primarily by visual inspection in the field. The MHWL was verified by paced or estimated distances from photo-identifiable objects. Kelp limits were estimated from shore. Specific items of question, as listed on the field edit ozalid, were visited for verification. Landmarks were identified and listed on the accompanying Form 567. Refer to footnote, page 12

Notes have been made in violet on the field photographs and have been cross-referenced on the field edit ozalid by listing or underlining the photograph number. Notes are on the following photographs:

66 S 4558 A
66 S 4556 A
66 S 4526 A
66 S 4711 RA

ADEQUACY OF COMPILATION

Compilation of this map appears to be good. Because of the gently sloping beach in many areas identification of the MHWL was difficult. Field inspection of this map is complete.

(17)

RECOMMENDATIONS

It is recommended that the map be revised in accordance with the notes on the photographs and the ozalid and that the map be accepted as an advance manuscript. A comparison of the kelp beds, as delineated, with their hydrographic location may also be useful when the inshore hydrography progresses to this area.

Respectfully submitted,

Glenn H. Endrud
Lt(jg.), USESSA

(18)

REVIEW REPORT

T-11872(2)

January, 1975

61. GENERAL STATEMENT:

See Summary which is included in the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS:

Comparison was made with 3 prior registered surveys. T-5411 and T-5412 used 1933 photography and T-11872 was final reviewed in 1965. The only significant difference was on T-5411 which showed a different shoreline in Batiquitos Lagoon which is now also filling in with marsh. All surveys are at 1:10,000 scale.

T-11872 supersedes the aforementioned surveys and should be used for nautical chart construction.

63. COMPARISON WITH MAPS OF OTHER AGENCIES:

A visual comparison was made with U.S.G.S. Quadrangle Encinitas, California, 1968 at 1:24,000 scale. There are no significant differences.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Boat Sheet H-9249 dated 1971 at 1:10,000 scale. There is very good agreement.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with chart 5101 at 1:234,270 scale dated Oct. 6, 1973. The scale of this chart made comparison inconsequential.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

This survey complies with project instructions and meets the National Standards of Map Accuracy. Refer to SUMMARY, Page 7

Reviewed by:

Bernard Kurs

Bernard Kurs
Cartographer

Approved for forwarding:

Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:

Chief, Photogrammetric Branch

Chief, Coastal Mapping Div.

FORM C&GS-5
(5-66)

U.S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR LANDMARKS FOR CHARTS

TO BE CHARTED
~~TO BE REVISED~~
~~TO BE DELETED~~
} STRIKE OUT TWO

15 March, 1970

I recommend that the following objects which have ~~(have not)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(deleted from)~~ the charts indicated.

The positions given have been checked after listing by B.W.F., G.H.E.

Ray E. Moses
CDR RAY E. MOSES
Chief of Party.

STATE California

CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION LATITUDE* ° ′	LATITUDE* ″ D.M. METERS	LONGITUDE* ° ′	LONGITUDE* ″ D.P. METERS	DATUM	METHOD OF LOCATION AND SURVEY No.	DATE OF LOCATION	HARBOR CHART	INSHORE CHART	OFFSHORE CHART	CHARTS AFFECTED
STANDPIPE	Blue-green standpipe approx. 25 ft. high (of questionable value). Takes place of CENTER OF DOUBLE WATER TANKS...1933 which is destroyed		32 57	10.94 337.	117 15	20.91 543.	NA 1927	Hydro Sheet BS T-11874	1970				
STANDPIPE	73' standpipe SEE NEW POS. Dated 12/21/71 by THEODOLITE. OCR (Ravoks note)		33 03	42.43 1307.	117 16	51.96 1348.	NA 1927	Photo T-11873	1970				
STANDPIPE	Twin 50' dia., 45' high tan colored tanks (NOTE: OFF E. LIMIT. CHARTING NAME CONTRADICTORY WITH NAME ON FIELD EDIT OZALID) ORG. (Ravoks Note)		33 06	42.65 1314.	117 17	11.96 310.	NA 1927	Photo T-11872	1970		x		5101
			33 06	43.95 1354.	117 17	11.92 309.	NA 1927	Photo T-11872	1970		x		5101
STACK	DEL MAR STACK 1933 Name on F.E. OZALID "Twin Tanks"		32 57	42.161 1298.8	117 16	00.694 18.0	NA 1927	TRI.	1933		x		5060
STANDPIPE	40' standpipe		33 07	47.28 1456.	117 18	27.08 702.	NA 1927	Photo T-11871	1970		x		5101
	Copy of form submitted to HCD at time of this Rockville office examination, April 19 ~~75~~												

This form shall be prepared in accordance with Hydrographic Manual, Publication 20.2, Sec. 1-55, 2-39, 6-36, 7-18 to 22 inclusive, and Fig. 79. Positions of charted landmarks and *nonfloating aids* to navigation, if redetermined, shall be reported on this form. Revisions shall show both the old and new positions. The data should be considered for the charts of the area and not by individual field survey sheets. Information under each column heading should be given.