

11874(2)

11874(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-11874(2)

Classification No. Edition No.2.....

FIELD EDITED MAP * See below

LOCALITY

State ...California.....

General Locality ..Pacific Ocean Coastline.....

Locality ...Solana Beach.....

~~1970 TO 1974~~

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.

COMPILATION SOURCES

1. COMPILATION PHOTOGRAPHY

CAMERA(S) Wild RC-8 "S"		TYPES OF PHOTOGRAPHY LEGEND		TIME REFERENCE	
TIDE STAGE REFERENCE		(C) COLOR X (P) PANCHROMATIC (I) INFRARED X		ZONE 8th	<input checked="" type="checkbox"/> STANDARD
<input checked="" type="checkbox"/> PREDICTED TIDES (1966 PHOTOGRAPHY) * <input type="checkbox"/> REFERENCE STATION RECORDS <input checked="" type="checkbox"/> TIDE CONTROLLED PHOTOGRAPHY (See Remarks) 1972 PHOTOS.				MERIDIAN 120th	<input type="checkbox"/> DAYLIGHT
NUMBER AND TYPE	DATE	TIME	SCALE	STAGE OF TIDE	
66S-4717I - 4719I	8/7/66	13:11 PST	1:30,000	0.3 ft. below MHW	
66S(C)4563A - 4567A	8/7/66		1:20,000		
72-L-2449R thru 2454R	3/23/72	13:05 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 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 T-11873	EAST No survey	SOUTH T-11875	WEST No survey
------------------	-------------------	------------------	-------------------

REMARKS

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	Mar., 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 J.R. Faris	Dec., 1971
	LOCATED (Field Methods) BY B.W.F. & Endrud	Mar., 1970
	IDENTIFIED BY	
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 G. Endrud	Mar., 1970
7. BOUNDARIES AND LIMITS	SURVEYED OR IDENTIFIED BY None	

II. SOURCE DATA

1. HORIZONTAL CONTROL IDENTIFIED

None

2. VERTICAL CONTROL IDENTIFIED

PHOTO NUMBER

STATION NAME

PHOTO NUMBER

STATION DESIGNATION

3. PHOTO NUMBERS (Clarification of details)

66S(C)-4564A - 4566A

4. LANDMARKS AND AIDS TO NAVIGATION IDENTIFIED

PHOTO NUMBER

OBJECT NAME

PHOTO NUMBER

OBJECT NAME

Not Ident.

STANDPIPE

Not Ident.

DELMAR STACK

Not Ident.

TOWER OF MANSION

copies of 547 & 76-40 included in this report

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

RECORD OF SURVEY USE

I. MANUSCRIPT COPIES

COMPILATION STAGES			DATE MANUSCRIPT FORWARDED	
DATA COMPILED	DATE	REMARKS	MARINE CHARTS	HYDRO SUPPORT
Compilation Complete	Jan., 1964	Superseded		
Shoreline Revised For Hydro	Dec., 1967	CLASS III MAP MANUSCRIPT DESIGNATED RS-SURVEY Superseded REDESIGNATED 2nd MAP EDITION, SEPT. 1969	APRIL 1968	unknown
Mar., 1970 Field Edit Applied	Jul., 1972	Superseded CLASS I MAP MANUSCRIPT	NONE	
REVISED FROM 1972 PHOTOS	1974-1975	SUPERSEDED	NONE	
Final Review	Dec., 1974			

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 Summary, page 7 (last paragraph)

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:

F.E. PHOTOS & 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)

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	

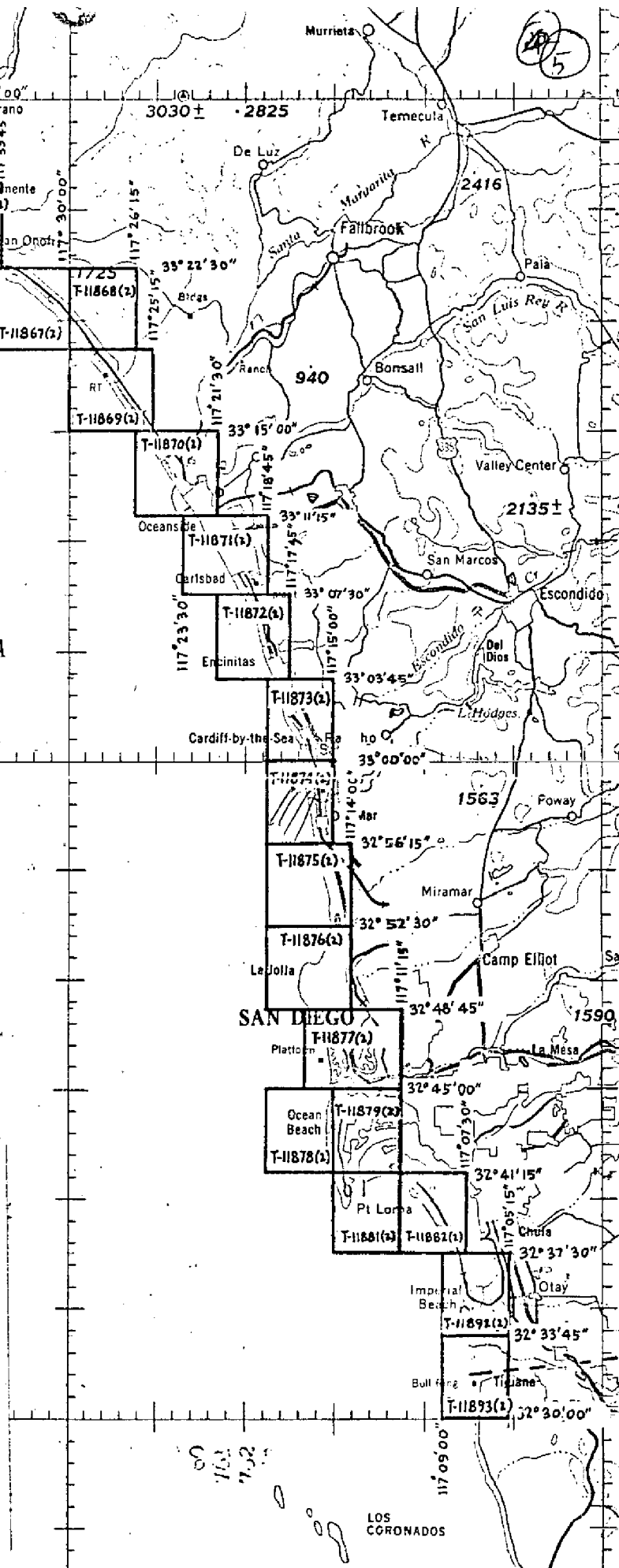
OFFICIAL MILEAGE
For Cost Accounts---

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.

John H. Schubert

3

FIELD INSPECTION REPORT

There was no field inspection prior to compilation.

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

9

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 scarce or no longer in existence 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.

(10)

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

①

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

23 August 1974

GEOGRAPHIC NAMES

FINAL NAME SHEET

Ph-6702 (Southern California Coastline)

T-11874 (2)

Atchison Topeka and Santa Fe (RR)

Del Mar

Gulf of Santa Catalina

Pacific Ocean

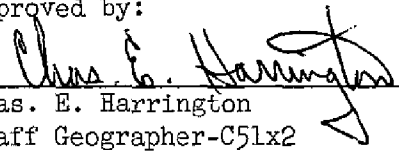
San Diego

San Dieguito River

Solana Beach

Torrey Pines State Park

Approved by:


Chas. E. Harrington
Staff Geographer-C51x2

19. NOTES FOR THE HYDROGRAPH

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

One set of infrared photographs at MLLW were used in the delineation of the MLLW 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 ORALID" calling your attention to items in need of further clarification and/or edit.

FIELD EDIT REPORT
MAP T-11874
Southern California
OPR-411
March 1970

Field edit of map T-11874 was done by LTJG Glenn Endrud in March 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.

Notes have been made in violet on the field photographs and have been cross-referenced on the "Field Edit Ozalid" by listing or encircling the photograph. Notes are on the following photographs:

66 S 4564 A
66 S 4565 A
66 S 4566 A

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.

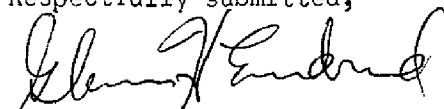
Field Edit Report: Map T-11874
Page two

15

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
LTJG USESSA

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.

<u>Map No.</u>	<u>Date of Field Edit</u>	<u>Date of Application</u>
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.

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.

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

[illegible]

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 ~~(insert name)~~ been inspected from seaward to determine their value as landmarks be charted on ~~(delete name)~~ the charts indicated.

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

CDR RAY E. MOSES

Chief of Party.

STATE	CHARTING NAME	DESCRIPTION	SIGNAL NAME	POSITION						METHOD OF LOCATION AND SURVEY NO.	DATE OF LOCATION	CHARTS AFFECTED		
				LATITUDE #		LONGITUDE #		DATUM	HARBOR CHART			INSHORE CHART	OFFSHORE CHART	
				° ' "	D. M. METERS	° ' "	D. P. METERS							
✓	STANDPIPE	Blue-green standpipe approx. 25 ft. high (of questionable value). Takes place of CENTER OF DOUBLE WATER TANKS...1933 which is destroyed (See accompanying form)		32 57	10.94 337.	117 15	20.91 543.	NA 1927	Hydro Sheet BS T-11874	1970				
✓	STANDPIPE	78' standpipe SEE NEW POS. Dated 12/21/71 by THCODOLITE. GCR.		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 CONTRADICTION WITH NAME ON FIELD EDIT ORALID) GCR.		33 06	42.65 1314. 43.95 1354.	117 17	310. 11.92 309.	NA 1927	Photo T-11872 Photo T-11872	1970	x	5101		
✓	STACK	DEL MAR STACK 1933 (Also record in 1971)		32 57	42.161 1298.8	117 16	00.694 18.0	NA 1927	TRI.	1933	x	5060		
✓	STANDPIPE	40' standpipe (OFF E. LIMIT) not plotted GCR.		33 07	47.28 1456.	117 18	27.08 702.	NA 1927	Photo T-11871	1970	x	5101		

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.

* TABULATE SECONDS AND METERS

TO BE DELETED
TO BE DELETED
TO BE DELETED

STRIKE OUT TWO

29 March 1970

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

The positions given have been checked after listing by

B. W. F.

CDR Ray E. Moses

Chief of Party.

20

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.

* TABULATE SECONDS AND METERS

21

REVIEW REPORT

T-11874(2)

December, 1974

61. GENERAL STATEMENT:

See Summary which is included in the Descriptive Report.

62. COMPARISON WITH REGISTERED SURVEYS:

Comparison was made with prior registered surveys T-5410 and T-11874. These two surveys are at 1:10,000 scale. T-5410 used 1933 photography and T-11874 was final reviewed in 1965. There are no significant differences with T-11874(2) and the aforementioned surveys.

T-11874(2) supersedes the previous two 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 Del Mar, California, dated 1967 and at 1:24,000 scale. There are no significant differences.

64. COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS:

Comparison was made with Boat Sheet H-9248, dated 1971, and at 1:10,000 scale. There is good agreement of the two surveys.

65. COMPARISON WITH NAUTICAL CHARTS:

A visual comparison was made with chart 5060, dated December 29, 1973, at 1:100,000 scale. There are no significant differences.

66. ADEQUACY OF RESULTS AND FUTURE SURVEYS:

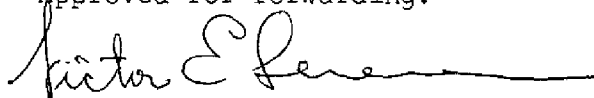
This survey complies with instructions and meets the National Standards of Map Accuracy. REFER TO "SUMMARY", page 6

Reviewed by:



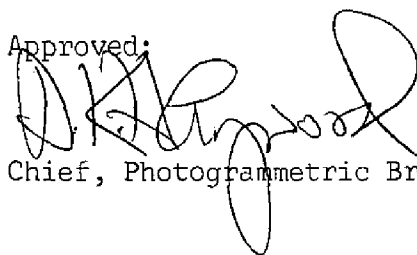
Bernard Kurs
Cartographer

Approved for forwarding:



Victor E. Serena
Chief, Photogrammetric Branch, AMC

Approved:



Chief, Photogrammetric Branch, J2



Chief, Coastal Mapping Div.