

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

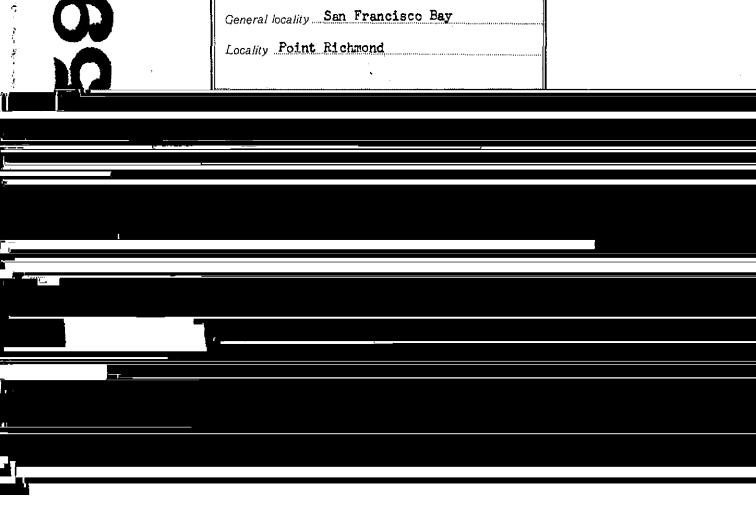
Type of Survey Photogrammetric Shoreline
Survey

Field No. CS-262-C Office No. T -5928

LOCALITY

State California -

5928



7.5928

17 March 1950

Rear Admiral K.T. Adams Acting Director United States Coast and Geodetic Survey Department of Commerce

Dear Admiral Adams:

Your memorandum, file No. 731-sal, dated 12 December 1949, addressed to the Director of Intelligence, United States Air Force, forwarding seventeen (17) maps for security clearance, was referred to the Assistant Chief of Staff, 0-2 for action.

There is no objection to the publication of the following maps as unclassified:

T-5920 Point Avisadero - Point San Bruno T-5929 San Quentin - California City T-5931 Davis Point - Pinole Point T-5936 Vallejo, California

Provided minor deletions are made as indicated on each map, there is no objection to publication of the following maps as unclassified:

T-5922 (MAS) San Francisco Bay and Oakland Area, California T-5923 San Francisco Bay and Oakland Area, California T-5924 (MAN) San Francisco Bay and Oakland Area, California T-5928 San Francisco Bay and Oakland Area, California T-5939 San Pablo Bay Area, California T-5941 Suisan Bay Area, California T-5942 (2 sheets) Suisan Bay Area, California T-5943 Suisan Bay Area, California

The remainder of the maps forwarded with your memoranium have not yet been returned from the field agencies where they were sent for examination. Follow up action has been taken requesting that the return of the maps be expedited.

Sincerely,

1 Incl 12 maps (as listed above)

ERNEST A. BARLOW Colonel, OSC Chief, Security & Training Division the Assistant Chief of Staff, C2 7- 5-928

Quadrangle (II):

Project No. (II): CS 262 C Shoreline

Field Office: San Francisco, Calif.

Chief of Party: Capt. E. J. Pagenhart

Compilation Office: Tampa, Florida

Chief of Party: George E. Morris Jr. Lt. Comdr.

Instructions dated (II III): 8 Feb. 1944

Copy filed in Descriptive Report No. 7-

The togrammetry Office Files

Completed survey received in office;

Reported to Nautical Chart Sections

Applied to chart No. 5532. Date: 19 Hard Reviewed: Dec 31, 1944

Redrafting Completed:

Registered: 14 June 1949

Published:

Compilation Scale: 1:10,000

Published Scale:

Scale Factor (III): None

Geographic Datum (III): N.A. 1927

Datum Plane (III): M.S.L.

Reference Station (III): Tall concrete Stack, 1921

Lat.: 37 56' 27"688(853.6 m.) Long.: 122,23' 32"645(797.1 m.) Adjusted

State Plane Coordinates (VI):

Military Grid Zone (VI)

X = .

PHOTOGRAPHS (III)

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	1:1. 21-23	Army, 1445	2	1:20,000	undrious	· .

Diurnal Range, 5.9 ft.

Tide from (III): Pt. Richmond - San Francisco

Camera: (Kind or source) U.S.C.& G.S. 9 Lens 84 focal length

4.2

Mean Range:

STATISTICS (III)

Land Area (Sq. Statute Miles): 13.5.

Shoreline (More than 200 meters to opposite shore): 18.5

Shoreline (Less than 200 meters to opposite shore): 17.5

Number of Recoverable Topographic Stations established: 13

Number of Temporary Hydrographic Stations located by radial plot: None
Leveling (to control contours) = miles;

Roman numberals indicate whether the item is to be entered by,

(II) Field Party, (III) Compilation Party, or, (VI) the Washington Office.

When entering names of personnel on this record give the surname and initials (not initials only).

Remarks:

Field Inspection Report T-5928

The Field Inspection Report for the area of T=5928 could not be located at the time of registering the map.

K. N. Maki 6/17/49 KM.M. 26 and 27

MAIN RADIAL PLOT SHEETS T-5927 and 5928 PROJECT CS-262, California

Projections for these two sheets were received in this office on 25 August 1944. Control was carefully plotted and checked by members of the Control section; using the beam compass and meter bar method.

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of the station on the Photograph was determined and marked on the field print and returned to the field for verification. The new location as picked in the Tampa office was verified in the field as correct, (See Field Print No. 6390).

Control was well distributed and, with the single exception mentioned above, well identified, therefore control for this plot is considered to be adequate.

B. PHOTOGRAPHS.

The following nine lens photographs were used in this plot: -

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63	<u>7</u> 9	89	
64	80	90	•
65	81		

Photograph coverage is adequate for 4 or more intersections in all parts of the sheet. Coverage is sufficient to locate existing detail at the time the Photographs were flown, but the photographs are considerably outdated.

C. CLOSURE AND ADJUSTMENT

Regular procedure was followed in laying templets with strongest fixes first, then progressively laying through templets with weaker fixes.

Tilt which may have approached 3° was present in some photographs, but not in sufficient amount to be considered excessive, or to necessitate tilt computation. All azimuths to adjacent centers were held, and excellent intersections were obtained throughout.

D. AREAS OF QUESTIONABLE ACCURACY

It is believed that all parts of this plot fall well within the prescribed limits of accuracy.

E. GENERAL

Forwarded by:

Pass Points were picked on the sheet and shown by double blue inked circles of 2.8 mm. and 1.5 mm. radii. The sheet was released to the draftsman for the addition of detailing points which are to be shown in blue ink with 2.0 mm. circles.

Respectfully submitted,

Bennie H. Lyon

Asst. Photo Engineer.

Lieut. Comdr. George E. Morris Jr.

DESCRIPTIVE REPORT TO ACCOMPANY SHEET NO. T-5928 - PROJECT C S 262-C

26 and 27 CONTROL AND RADIAL PRIOT

A special report by B. H. Lyon, Asst. Photogrammetric Engineer, covering main radial plot is submitted herewith.

Attention is called to a letter from Capt. E. Q. Pagenhart, dated Feb. 27, 1945 stating that all necessary notes and forms covering the triangulation and topographic stations have been forwarded to the Washington Office.

28 DELINEATING

The delineating of this sheet has been done according to the current instructions for this project dated February 8, 1944.

In the delineation of this map manuscript it was necessary to use a 6300 series of 9 lens photographs dated 9/3/41 and a single lens photograph of approximately 1:10,000 scale. The later was received from the Alameda Naval Air Station, and was dated 8/27/44. The single lens photograph showed the Richmond shipyards, which, for the most part, were constructed after the 9 lens photographs were taken. The projector was used in transferring detail from the Single lens photograph because of the difference in scale. The area on the 9 lens photographs which joins with the single lens photograph does not match very well, so it is likely that the area outside of that covered by the single lens photograph is not up to date.

The photographs were clear and of a reasonably good scale. Some difficulty was experienced, however, in selecting common points for detail points in the area covered by the single lens photograph due to the numerous cultural changed between 1941 and 1944.

*The field inspection was adequate for the photographs used.

29 SUPPLEMENTAL DATA

A City Plan of Richmond compiled by E. A. Hoffman, City Engineer, in 1944 was used for comparison. No pertinent information was gotten from it.

A Property Map showing property owned by the Kaiser Company Inc. was used in conjunction with the single lens photograph of the Richmond Shipyards. It was quite useful in delineating the area.

The Neval Operating Base, San Francisco, Calif. furnished a General Plot Plan of Warf and Causeway at Molate Point. This feature has been added since the 1:10,000 Aerial Photographs were taken. However, a 9 lens Aerial Photograph, 1:5,000 (approx.) scale, taken while the causeway was through being constructed, proved helpful in delineating the wharf, causeway and proved surrounding area. This photograph is numbered 11444. Two other photomappears, Nos. 11445 and 11446, of the same series were used for comparison. For the most part, little change has taken place in the shoreline details during the two years between photographing flights. This is with the exception of the Richmond Shipyard area.

* The full Inspection Report for the area of T-5928 could not be located.

30 MEAN HIGH WATER LINE

The H. W. L. has been shown according to field inspection notes, and so have the areas where the shoreline is indefinite. Water line structures of piers, shipways, and sea walls take up a goodly proportion of the shoreline.

31 LOW WATER AND SHOAL LINES

M. L. W. lines and shoal lines have been shown wherever recovered by field inspector.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE

A ship that is moored and aground below Castro Point should be investigated by the hydrographic party. This hulk appears on the early photographs (1941) and on the latest available photographs (1944). It is not shown on the latest nautical chart in this office bearing a print date of 8 Dec. 1943.

33 WHARVES AND SHORELINE STRUCTURES.

There are quite a number of shoreline structures. They have been delineated as indicated by the photographs and field inspection.

34 LANDMARKS AND AIDS TO NAVIGATION.

All landmarks and aids to navigation, identifiable, have been listed on form No. 567 and made a part of this report.

35 HYDROGRAPHIC CONTROL.

Instructions to field party, dated February 8, 1944, state that no hydrographic stations need be selected by them for this project.

36 LANDING FIELDS AND AERONAUTICAL AIDS.

Inapplicable.

37 to 43 (no additional items - inapplicable)

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES.

Comparison was made with a quadrangle done by the Corps of Engra. in 1892 - 94, revised in 1914. The scale, 1:62,500, is too small to make a detailed comparison. In general, the shoreline shows little change with the exception of the area embracing the Richmond Shipyards, where considerable change has taken place.

45 COMPARISON WITH NAUTICAL CHARTS.

Chart No. 5532 published by the U. S. C. & G. S. bearing a print date of 8 Dec. 1943 was used for comparison. The scale, 1:40,000, made it difficult to compare any of the finer det ils, but the general shoreline compared favorably. (See paragraphsNo. 32)

Respectfully submitted,

Richard A. Reece

Engineering Draftsman.

Approved and Forwarded

Lt. Comdr. George E. Morris Jr.

Chief of Party

Form 567 April 1945

For Coast Pilot

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

LANDMARKS FOR CHARTS MONFEONTING AND STORY

TO BE DELETED STRIKE OUT ONE

Tamps Photogrammetric Office

1945 24 June

I recommend that the following objects which have mave not been inspected from seaward to determine their value as landmarks, be charted on metern from the charts indicated.

W. W. Dawsey, Photogrammetric aid The positions given have been checked after listing by _

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aids to navigation, if redetermined, shall be reported on this form. 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. This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating

Form 56' April 1945

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

NONFLOATING AIDS OR CANDUMARKS FOR CHARTS

TO BE CHARTED TOXABRADERENDED

STRIKE OUT ONE

For Coast Pilot

Tampa Photogrammetric Office

27 June, 1916 I recommend that the following objects which have (itanianata) been inspected from seaward to determine their value as landmarks, be charted on (italianata) the charts indicated.

The positions given have been checked after listing by W. W. W. Dansey. Photogrammetric Aid

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This form shall be prepared in accordance with Hydrographic Manual, pages 800 to 804. Positions of charted landmarks and nonfloating aids to navigation, if redetermined, shall be reported on this form. 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.

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Division of Photogrammetry

Review Report of

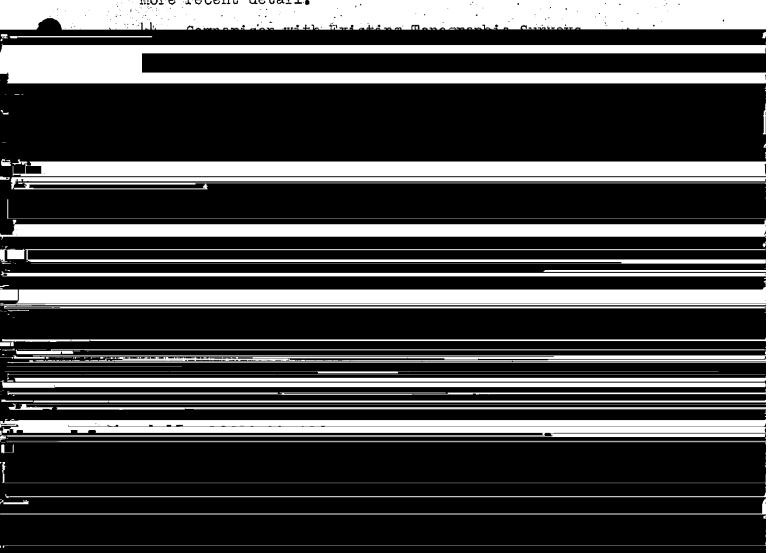
Shoreline Survey Map T-5928

Paragraph numbers not used in this Review Report have been adequately covered in other parts of this report. This map manuscript is adequate.

26. Control.-

Four triangulation stations were politted on the map manuscript by the reviewer. These stations were not used in the radial plot, and are indicated merely for additional horizontal control.

28. Detailing. - Extensive corrections and additions were made to the compilation from 1945 single-lens army photographs. Notable changes were made at Potrero Point, (Shoal Point on quadrangles and chart), Molate Point, and an area east of Wine Haven. Interior changes were made to show some recent major developments. Enough points, common to the old and the new photographs, were found so that the vertical projector could be used to transfer the more recent detail.



APPROVED BY:

Recent Cal Assistant to the Chief Div. of Photogrammetry

Chfer, Nauvical Chart Br.
Division of Charts

Chief, Div. of Photogrammetry Chief,

Chief, Div. of Coastal Survey:

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NAUTICAL CHARTS BRANCH

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A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.