

5929

Diag. Cht. No. 5530-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Planimetric Air Photo
Compilation

Field No. _____ Office No. T-5929

LOCALITY

State California

General locality San Francisco

Locality San Quentin

1941-'44

CHIEF OF PARTY

E.H. Pagenhart, Chief of Party

J.C. Bose, Tampa Photo. Office

LIBRARY & ARCHIVES

DATE May, 1950

B 1670-1 (1)

5929

Fully applied to Reconstruction Chart 5532, 12/31/12

DATA RECORD

Form T-1

T- 5929

Quadrangle (II):

Project No. (II); C. S. 262-B

Field Office: San Francisco, Calif. Chief of Party: Capt. E. H. Pagenhart

Compilation Office: Tampa, Florida Chief of Party: Lieut. Comdr. J. C. Bose

Instructions dated (II III); February 8, 1944 Copy filed in *Division of* ~~Descriptive~~

~~Report No. T-~~ *(VI)*

Photogrammetry Office

Completed survey received in office: *9-24-45* *Files.*

Reported to Nautical Chart Section: *Sept. '45*

Reviewed: *9-9-48*

Applied to chart No.

Date:

Redrafting Completed: *4-13-49*

Registered: *4-26-50*

Published: *4-20-50*

Compilation Scale: 1:10,000

Published Scale: *1:10,000*

Scale Factor (III): 1.00

Geographic Datum (III): N. A. 1927

Datum Plane (III): *M.H.W.* ~~M.S.L.~~

Reference Station (III): Ring, 1932

Lat.: *37°54'35".157*
(1083.9 M.)

Long.: *122°29'04".901*
(119.7 M.)

Adjusted

~~Unadjusted~~

State Plane Coordinates (VI): *California, 3rd Zone*

X =

Y =

Military Grid Zone (VI)

PHOTOGRAPHS (III)

<u>Number</u>	<u>Date</u>	<u>Time</u>	<u>Scale</u>	<u>Stage of Tide</u>
6391	9/3/41	1:05 PM	1:10,000	+4.1
6395	9/3/41	1:05 PM	"	+3.8
6396	"	"	"	+3.8
6397	"	"	"	+3.8
6400	"	"	"	+3.8
6401	"	"	"	+3.8
6402	"	"	"	+3.8
6403	"	"	"	+3.8
6404	"	"	"	+3.8

Pt. San Quentin

Tide from (III); San Francisco (Golden Gate), Ref. Sta.

Mean Range, 4 ft.

Spring Range, 5.7

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

Field Inspection by, W. J. Chovan, C. A. Kester, date, 2/42, 4/44 & 7/44

Field Edit by: *None*

date: _____

Date of Mean High Water Line Location (III); Date of photographs.

Projection and Grids ruled by (III) B.R.C.

date: 12/13/44

" " " checked by: B.R.C.

date: 12/15/44

Control plotted by: M. M. Slavney

date: 12/4/44

Control checked by: B. H. Lyon

date: 12/6/44

Radial Plot by: D. G. Singleton

date: 12/9/44

Detailed by: V. F. Simmons

date: March April, 1945

Reviewed in compilation office by: J. A. Giles

date: May & Sept. 1945

Elevations on Field Edit Sheet

checked by: *Not applicable*

date: _____

STATISTICS (III)

Land Area (Sq. Statute Miles); 13.91

Shoreline (More than 200 meters to opposite shore); 14.75

Shoreline (Less than 200 meters to opposite shore); 4.50

Number of Recoverable Topographic Stations established; ~~31~~ 39

Number of Temporary Hydrographic Stations located by radial plot; None

Leveling (to control contours) - miles;

Roman numerals 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

Field inspection data for the area of T 5929
are contained in the Field Inspection Report - San
Francisco, Bay, California, submitted by C. A.
Kester in 1944. This report is filed in the ~~Division~~
~~of Photogrammetry, General Files.~~ *Project Completion Report*
Sept, 1954, G.B.W.

MAIN RADIAL PLOT

T- 5929

Project - CS 262 (Partial)

The projection for this sheet was received in the Tampa 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.

A circle with a 14-inch radius was drawn upon each office photograph used in order to facilitate use of central portions of photographs in preference to outer extremities.

Secondary control for this plot was picked, as nearly as possible in a regular scheme of quadrilaterals, 5 inches on a side in order to strengthen the graphic control scheme. Extreme care was used in plotting primary control on the photographs, and control was plotted without regard for the 14-inch circle.

All azimuths between centers were established on the photographs by means of the stereoscope and radial liner method.

All photographs used in this plot were printed on unmounted acetate impregnated paper; therefore, it was necessary to eliminate the effect of paper distortion. This was accomplished by means of distortion templates constructed from nonshrinking vinylite material.

The regular discussion for the main radial plot follows:

(A) CONTROL

The following control stations which fall within the limits of this sheet are as follows:

- California Point 2, 1897
- Bluff Point 2, 1897 (F.I.P.)
- Ring 1932 (F.I.P.)
- Rod 1944 (F.I.P.) (*Not a recorded station - Computed from Oak*)
- Oak, 1942 *9/8 48 J. J. Stiefen*

The following stations which appear outside the limits of the sheets were used in controlling this plot:

Pow 1916
Marin Island Flagpole 1941
San Francisco Bay, North End Light 1941

Coyote Ridge 2, 1916
Strawberry Hill 2, 1895 (F.I.P.)

The control used for this plot was well-identified, and the distribution was such that adequate control was insured.

(B) PHOTOGRAPHS

The following nine lens photographs were used in this plot:

6391	6400	6392*
6395	6401	6394*
6396	6402	6405*
6397	6403	6404*

* Outside sheet limits

Photograph coverage was adequate for a strong plot east of longitude $122^{\circ} 32'$. It has been recommended that no detailing shall be done west of that longitude except north of latitude $37^{\circ} 56'$.

(C) CLOSURE AND ADJUSTMENT

Regular procedure was followed in laying templets with the strongest fixes first and then progressively laying templets with weaker fixes. All azimuths to adjacent centers held, and excellent intersections were obtained throughout. Some tilt was noted, but not in sufficient quantity to cause difficulty in the plot.

(D) AREAS OF QUESTIONABLE ACCURACY

It is believed that all parts of this sheet fall well within the prescribed limits of accuracy. *See Supplement to the Review Report in the back of this report.*

(E) GENERAL

G.B.W. 954

Secondary control was picked on the sheet and circled with double blue inked circles of 2.8 millimeters and 1.5 millimeters radii. Centers were shown with double blue circles of 4.0 mm. and 2.8 mm. radii. The sheet was released to the draftsman for the addition of detailing points, which are to be shown in purple ink with 2.0 mm. circles.

Forwarded by:

J. C. Bose
J. C. Bose
Chief of Party.

Respectfully submitted,

Bennie H. Lyon
Bennie H. Lyon
Chief Eng. Draftsman

Forms 524 - Rec. Topo. Sta.:

Transmission tower, 1945 (27 forms 524 for 27 towers)

K 108, 1932

J 108 "

RV 220 (NWPRR)

169 (Stack), 1944

165 (Rock) "

G 108, 1932

Tidal BM, 1944

BM 6, 1936

San Quentin Triang. Survey, Baseline

BM 8, 1936

BM Y (DPW)

RV 223 (NWPRR)

Total number of topo. sta. = 39

Filed in Div. Photogr. General Files.

Listed by KKM 4/24/50

COMPILATION REPORT
TO ACCOMPANY
SHEET NO. T-5929

26. and 27. CONTROL AND RADIAL PLOT

See report submitted by B. H. Lyon, Chief Aeronautical Draftsman, which has been incorporated in this report.

Attention is called to a letter from Capt. E. H. Pagenhart dated 27 February, 1945, stating that all necessary notes and forms covering the triangulation and topographic stations have been forwarded to the Washington Office. One (1) topographic station has been shown on this compilation and listed on form 567 which was identified on the field photo only. It is assumed the recovery card was sent to Washington Office.

28. DETAILING

The detailing of this sheet has been done according to the current instructions for this project. All photographs were clear and of reasonably good scale.

A dashed line is shown on the compilation designating the centerline at a clearing. Notation made on field photograph is "No road". Approximate location Lat. $37^{\circ}56'50''$ Long. $122^{\circ}29'45''$.

Transmission towers Nos. 41/252 and 41/250 are not shown on map drawing. These towers are not clearly visible on the photographs.

B.M. RY-225(N.W.P.R.R.) and RY-226(N.W.P.R.R.) are not shown on survey sheet. The field photograph, No. 6405, on which these stations are picked, was sent to the Washington Office with Sheet T-5926.

29. SUPPLEMENTAL DATA

Details for Floating Dock Training Center, Paradise Cove, Marin County, California was taken from plans furnished by J. W. Wilson and Co. Inc., Civil Engineers, Oakland, California. Date of plans June 19, 1943. *Filed in Div. Photogrammetry General Files.*

34. LANDMARKS AND AIDS TO NAVIGATION

Horn, Nonfloating Aid to Navigation, appears on section of chart #5532. The station was not recovered nor deleted by the field inspection.

35. HYDROGRAPHIC CONTROL

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

36. LANDING FIELDS AND AERONAUTICAL AIDS

There are no landing fields or aeronautical aids within the limits of this sheet.

37. GEOGRAPHIC NAMES 814 ✓

Tiburon Peninsula is so named on U.S.G.S. Quadrangle but not on U.S.C.&G.S. nautical charts nor in geographic name report. *Refer to attached list of approved geographic names.*

44. COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

General comparisons were made with topographic surveys T-415, made by this bureau in 1853, T-2485, made by this bureau in 1899 and U.S.G.S. San Francisco Quadrangle dated 1892 - 1894. The shoreline is in general agreement. Long piers at San Quentin are not shown on old Quadrangles.

45. COMPARISON WITH NAUTICAL CHARTS

A comparison was made with U.S.C.&G.S. Nautical Chart No. 5532, bearing a print date of October 7, 1944. The shoreline and other features are in general agreement, with the exception of shoreline west of San Quentin prison.

Respectfully submitted,

Vincent F. Simmons
Vincent F. Simmons,
Sr. Photo. Aid.

Forwarded by:

J. C. Bose
J. C. Bose,
Chief of Party.

GEOGRAPHIC NAMES

Survey No.

T-5929

Name on Survey

	A	B	C	D	E	F	G	H	K	
California			(for title)						USGB	1
San Francisco Bay	✓								"	2
U.S. No. 101	✓									3
Northwestern Pacific R.R.	✓									4
										5
Point Chauncey	✓									6
California City	✓									7
Paradise Cove	✓									8
Tiburon Peninsula	✓									9
California Point	✓								USGB	10
Point San Quentin	✓									11
San Quentin	✓									12
Green Brae	✓									13
Corte Madera Creek	✓									14
Meadowweet	✓		(one word)							15
Reed	✓									16
Richardson Bay	✓									17
Silve Island	✓									18
Almonte	✓									19
Alto	✓									20
Chapman	✓									21
Corte Madera	✓									22
Larkspur	✓									23
San Rafael Bay	✓									24
El Campo										25
										26
										27

Names underlined in red are approved.

11/19/47
L. Heck

Division of Photogrammetry
Review Report of
Planimetric Map Manuscript T-5929

Subject numbers not used in this report have been adequately covered in other parts of the Descriptive Report.

28. Detailing.— The compilation was incomplete and was supplemented by field inspection photographs covering shore-line detail only.

Two lines at Lat. 57°54' and between Long. 122°29' and 122°30' and two lines southeast of this position marked "Power or telephone line (not identified on field photo)" have been deleted from the compilation. No source of information could be located for these features and they were not mentioned in the Descriptive Report.

44. Comparison with Existing Topographic Surveys:

T-334	1:10,000	1850	T-2243	1:10,000	1895
T-361	1:10,000	1852	T-2446	1:10,000	1898
T-4154	1:10,000	1853	T-2485	1:10,000	1899
T-1284	1:10,000	1872	T-2642	1: 480	1903-04
T-1302	1:10,000	1873	T-3660	1:10,000	1916
T-1616	1:10,000	1881	T-4271	1:20,000	1927
T-1620	1:10,000	1881			

These surveys are superseded by T-5929 ^{for nautical charting purposes} in all common areas, except for contours. *See Supplement to this Report. 9-54 G.B.W.*

45. Comparison with Nautical Charts:

5532 1:40,000 1947 (48 - 7/5)

Wharf and shoreline structure changes in the vicinity of Pt. San Quentin, and the alteration of a large wharf at Pt. Chauncey warrant a correction of Chart 5532 for the next printing.

51. Application to Nautical Charts.— This map manuscript has not been applied to Nautical Chart 5532 as of the date of this review report.

52. Classification

The area of T-5929 is unclassified. Refer to letter from the Assistant Chief of Staff, G-2, dated 17 March 1950. Copies ^{are} attached to Descriptive Reports for T-5936, 39, 42-43.

*K.H.M.
4/27/50*

Reviewed by:

J. J. Streiffler

J. J. Streiffler
9 September 1948

APPROVED BY:

S. V. Griffith
S. V. Griffith
Chief, Review Section

H. B. Edmonson
Chief, Nautical Chart Branch
Division of Charts

O. S. Reading
Chief, Div. of Photogrammetry

W. M. Scaife
Chief, Div. of Coastal Surveys

SUPPLEMENT

Review Report of
Planimetric Map Manuscript T-5929

44. Suppliment:

Graphic control survey T-7090, 1951, 1:10,000 scale, indicated the position of detail on the south shore of Point San Quentin to be in error. Three objects shown on T-5929 were relocated as triangulation:

Green Brae,,red brick stack, 1951
San Quentin, guard tower no. 10, 1951
San Quentin, Square White latticed tower, 1951

the positions of which are found on page 156 of California VII geodetic records, and were used for the graphic control survey position. The detail from T-5929 was shifted to agree with the position of the new triangulation stations, for use on H-7897 and nautical charts of this area.

Report by:

Gordon B. Willey
Gordon B. Willey

Approved by:

S. V. Griffith
S. V. Griffith

T-5929

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-aal, 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, G-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 (R&S) San Francisco Bay and Oakland Area, California
T-5923 San Francisco Bay and Oakland Area, California
T-5924 (R&W) 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 memorandum 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, GSC
Chief, Security & Training Division
of the Assistant Chief of Staff, G2