

5927

Diag'd.on Diag. Ch. No. - 5530-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Shoreline Survey

Field No. CS-262-C Office No. T-5927

LOCALITY

State California

General locality San Francisco Bay

Locality Point Isabel

194 6

CHIEF OF PARTY

G.E.Morris, Jr.

LIBRARY & ARCHIVES

DATE February, 1949

B-1870-1 (1)

5927

DATA RECORD

Form T-1

T-

Quadrangle (II); None

Project No. (II); CS 262 C

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

Compilation Office: Tampa, Fla.

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

Instructions dated (II III); 8 Feb. 1944

Copy filed in Descriptive
Report No. T- (VI)
Div. of Photogram. Office Files

Completed survey received in office; 9 Aug. 1946

Reported to Nautical Chart Section;

Reviewed; 26 April, 1948

Applied to chart No.

5532 (Bottle Review) 22 Mar. 1948
Date:

Redrafting Completed;

Registered; *Jul*
11 January 1949

Published; *Shoreline*

Compilation Scale: 1:10,000

Published Scale: 1:10,000

Scale Factor (III); None

Geographic Datum (III); N.A. 1927

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

Reference Station (III); Pullman Shops black stack, 1921

Lat.: 37° 55' 40" 88
(1260.4 m.)

Long.: 122° 20'

17" 06 Adjusted
(416.7 m.)

State Plane Coordinates (VI); 2 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>
6361 - 65 incl.	9/3/41	12:17 p.m.	1:10,000	5.2 ft.
6381	"	12:37 p.m.	"	5.0 ft.
6387	"	1:05 p.m.	"	4.6 ft.
14030	6/2/43	2:30 p.m.	"	2.2 ft. 2.4
14031	"	2:30 p.m.	"	2.2 ft. 2.4

1:V: 43-45 1945 (War Dept.) single lens
 1:V: 58-59 " " " " "

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

Mean Range: 4.2 Diurnal Spring Range: 5.9

Camera: (Kind or source) U. S. C&G. S 9 lens - 8 1/4" focal length

Field Inspection by: C. A. Kester date: 1944

Field Edit by: None date: --

Date of Mean High-Water Line Location (III): Date of Photographs

Projection and Grids ruled by (III) S.R., B.R.C. date: Dec. 13, 1944

" " " checked by: B.R.C. date: Dec. 15, 1944

Control plotted by: D. G. Singleton date: Apr. 13, 1945

Control checked by: B. H. Lyon date: Apr. 13, 1945

Radial Plot by: D. G. Singleton date: Apr. 25, 1945

Detailed by: R. A. Reece date: June 1946

Reviewed in compilation office by: J. A. Giles date: July 1946

Elevations on Field Edit Sheet
 checked by: date:

STATISTICS (III)

Land Area (Sq. Statute Miles): 25.3

Shoreline (More than 200 meters to opposite shore): 6.4

Shoreline (Less than 200 meters to opposite shore): 2.8

Number of Recoverable Topographic Stations established: 2

Number of Temporary Hydrographic Stations located by radial plot: none

Leveling (to control contours) - miles: none

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:

COMPILATION REPORT TO
ACCOMPANY
MAP MANUSCRIPT NO. T-5927
PROJECT CS 262 C

26 and 27 CONTROL AND RADIAL PLOT

A special report by B. H. Lyon, Asst. Photogrammetric Engineer, covering main radial plot was submitted with the compilation report accompanying Map Manuscript No T-5928.

Attention is called to a letter from Capt. E. J. 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 Map Manuscript 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 and a 14000 series of 9 lens photographs; the former dated 9/3/41, the later 6/2/43. A single lens photograph dated 8/27/44 was used in delineating the Richmond Shipyards, which, for the most part, were constructed after the 6300 series of 9 lens photographs showing the area was taken. It was furnished by the Alameda Naval Air Station. Also, a single lens contact print, 1:20,000 scale, No. 45 photographed by the War Department in 1945 was used in delineating part of the shoreline adjacent to the Richmond Shipyards. The single lens photographs were used to the utmost. It was necessary, however, to use the projector in transferring detail because both were of a different scale.

The 14000 series of 9 lens photographs does not show any of the shipyards. Quite a few cultural changes along the shoreline took place between Sept. of 1941 and June of 1943, but delineating the changes was difficult because only two photographs, 14031 and 14032, could be used, and they were taken quite some distance inland; putting the shoreline towards the outer extremities of the photographs. If photographs 6363 and 6365 had been of a more recent date, they would have been the more desirable photographs for compiling and delineating, since they are clear and of good scale and centered directly on the shoreline. They were quite useful, however, for picking points and making comparisons. Due to the numerous cultural changes that took place after 1941, it was difficult to find sufficient points common to the various photographs used.

Field inspection was not overly adequate but adequate enough for the photographs they used.

29 SUPPLEMENTAL DATA

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 helpful in delineating the area.

30 Mean HIGH WATER LINE

The Mean H. W. L. has been shown according to field inspection notes.

31 LOW WATER AND SHOAL LINES

Inapplicable since none were recovered by the field inspector.

32 DETAILS OFFSHORE FROM THE HIGH WATER LINE

Inapplicable

33 WHARVES AND SHORELINE STRUCTURES

Outside of the Richmond Shipyard Area there are but few shoreline structures and wharves. Those shown on the photographs have been delineated as indicated.

34 LANDMARKS AND AIDS TO NAVIGATION.

All landmarks and aids to navigation, recovered by field party 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.

44 COMPARISON WITH EXISTING TOPOGRAPHIC QUADRANGLES

Comparisons were made with two quadrangles done by the Corps of Engineers, U. S. Army. Survey on the earlier one was made in 1892-94. A cultural revision was made in 1914. The sheet is quite old and a fair amount of change has taken place; the Richmond Shipyards in particular. The latest quadrangle was prepared in 1941 and is pretty well up to the date of the photographs. The shoreline in general shows little change. It is impossible to make a detailed comparison since the scale is 1:62,500, while the map manuscript is on a scale of 1:10,000.

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 shoreline in general compares favorably.

Respectfully submitted,


Richard A. Reece
Engineering Draftsman

Approved and Forwarded:


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

DIVISION OF PHOTOGRAMMETRY
Review of
Shoreline Map Manuscript T-5927 (S $\frac{1}{2}$)
(The N $\frac{1}{2}$ is not delineated, since no shoreline is present)
San Francisco Bay -- Point Richmond

Subject headings not used in this review report are not applicable or have been adequately covered in the descriptive report.

26. CONTROL

Two triangulation stations fall within the projection limits of this map, but both of them are outside of the delineated area (shoreline).

Pullman Shop Black Stack, 1921
Jarge, 1944

Of the four bench marks within the area of the whole map area, only one falls within the delineated area of this shoreline drawing: (fm. 524)

B.M. 1, 1932, Point Isabel. r. 1944 (fm. 524)

Three landmarks are within the area of the S $\frac{1}{2}$: (fm 567)

No. 212	Tank	}	Both fall within the delineated shoreline area and are on Cht 5532
No. 213	Stack		

Water Tank (Pullman Shops, elevated). Outside of the delineated area and not on chart 5532

28. DELINEATION

Changes made during review are shown in red acid ink

43. COMPARISON WITH PREVIOUS TOPOGRAPHIC MAPS

T-399	1/10000	1853	T-2940	1/10000	1909
1622	"	1881	2941	"	1909
2245	"	1895	3653	"	1917

The present survey supersedes the old surveys in all planimetric and shoreline detail.

44. COMPARISON WITH EXISTING QUADRANGLES

See Compilation Report

45. COMPARISON WITH NAUTICAL CHARTS

5532 1/40000 July 1947

General agreement of form of shoreline, but character differs. On T-5927 the shoreline from north of Point Fleming to Stege is an indefinite line rather than a fast-land line. There are new docks at Point Fleming, and a concrete sewer is a prominent feature along the south side of Point Isabel.. The areas of fill are larger than on the chart.

The map manuscript had been applied to Chart 5532 prior to review.

Reviewed by

Under the direction of

Lena T. Stevens
Lena T. Stevens, 26 April, 1948

S. T. Griffith
Chief, Review Section

APPROVED BY:

B. G. Jones 2/49
Technical Assistant to the
Chief, Div. of Photogrammetry

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

K. T. Adams
Chief, Div. of Photogrammetry

C. H. Green
Chief, Div. of Coastal Surveys

This map manuscript was reviewed in Sept 1946, but report was written in April 1948

FOR COAST PILOT

NON-FLOATING AIDS OR LANDMARKS FOR CHARTS

**TO BE CHARTED
TO BE DELETED**

STRIKE OUT ONE

~~TO BE DELETED~~ I recommend that the following objects which have ~~(page 295)~~ 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 W. R. Ramey, photogrametric aid

Mr. Condit, George F. Morris Jr. Chief of Party.

[illegible]

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.

NAUTICAL CHARTS BRANCH

SURVEY NO. 5927

Record of Application to Charts

[illegible]

M-2168-1

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.

SURVEY NO. T-5927

Record of Application to Charts

[illegible]

M-2168-1

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.

GEOGRAPHIC NAMES

Survey No.

GEOGRAPHIC NAMES											
Survey No.											
Name on Survey		On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List		
A	B	C	D	E	F	G	H	K			
San Francisco Bay*	✓									1	
Point Fleming*	✓									2	
Point Isabel*	✓									3	
Berkeley	✓									4	
Albany	✓									5	
El Cerrito	✓									6	
Cerrito Creek*	✓									7	
Stege	✓									8	
Richmond	✓									9	
Richmond Inner Harbor	✓									10	
California*	✓	(for title)									11
Southern Pacific R.R.										12	
East Shore Highway - U.S. #40										13	
San Pablo Avenue										14	
Pullman Avenue										15	
										16	
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* - Decis. of BGN

Underlined names approved.

10-28-48.

A. J. W.

M 234

* - Decis. of BGN

Underlined names approved.

10-28-48.

A. J. W.