

7122

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

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey GRAPHIC CONTROL

Field No. BO-D-48 Office No. T-7122 G.C.

LOCALITY

State California

General locality San Francisco Bay

Locality Richardson Bay

194 8

CHIEF OF PARTY

W.M.Gibson

LIBRARY & ARCHIVES

DATE Jan. 20, 1950

7122

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

Each Topographic and Graphic Control Sheet, and each Air Photographic Drawing should be accompanied by this form, completed so far as practicable, when forwarded to the Washington office.

REGISTRY No. T-7122 Graphic Control

Field No. BO - D - 48

Scale 1/10,000

State California General locality San Francisco Bay

Specific locality Richardson Bay

Dates: Survey began 9 July 1948 Completed 29 July 1948

Photography _____, Supplemented by ground surveys to _____

Project No. CS - 256 Instructions dated 16 Nov. 1940 and 24 April 1947

Vessel } or BOWIE Chief of party W. M. Gibson
~~Party~~ } R. A. Marshall

Field work by L. F. Woodcock Office work by L. F. Woodcock

Final inking by L. F. Woodcock

Ground elevations } in feet above { M. H. W.
Treetop elevations } or { _____

Contours } by { Planetable } Interval _____ ft.
Approximate contours } { Multiplex }
Form lines } { _____ }

REMARKS _____

Notes to Accompany
Graphic Control Sheet BO-D-48

Richardson Bay

January 1949

Instructions 16 Nov. 1940
Supp. Instructions 24 April 1947

The purpose of this survey was to furnish control for the hydrographic survey of Richardson Bay.

CONTROL:

The original control for this sheet consisted of the following triangulation stations.

Sausalito Powerhouse Gable, 1916-17
Richardson East, 1895
Strawberry Hill 2, 1895, 1916

The following additional triangulation stations were established:

Rail, 1948
Townsend, 1948
White, 1948

In addition, the following intersection stations were established:

Sausalito Fog Signal, 1948
Pipe, 1948 ($37^{\circ} 51' 1500$ m.) ($122^{\circ} 28' 473$ m.)
Cone Rock, 1948 ($37^{\circ} 51' 1567$ m.) ($122^{\circ} 28' 172$ m.)
Chi, 1948 ($37^{\circ} 52' 566$ m.) ($122^{\circ} 28' 224$ m.)

Geographic positions have not been computed for PIPE, CONE ROCK or CHI. These stations were plotted on the sheet graphically by plotting the various theodolite cuts with a steel protractor, and the DM's and DP's were scaled.

There are slight differences between the plotted and computed positions of these signals on the Topo sheet.

METHODS:

Most of the signals shown on this sheet were located by theodolite cuts, which were drawn on the sheet using a steel protractor. Triangulation stations RICHARDSON EAST, RAIL, STRAWBERRY HILL 2, TOWNSEND and WHITE were occupied with a theodolite and cuts were taken to all visible signals.

A plane-table traverse was run from SAUSALITO FOG SIGNAL, 1948 to topographic signal FAR, locating all signals and detail shown between these points. Signal FAR was also located graphically by plotting theodolite cuts, which gave an error of closure of 4 meters for the plane-table traverse. The traverse has been adjusted proportionately throughout its length for this error of closure, assuming that the graphical position of FAR obtained by plotting theodolite cuts is correct.

Lorin F. Woodcock

Lorin F. Woodcock
Lieut. USC & GS

Approved:

W.M. Gibson

W.M. Gibson
Chief of Party

This graphic control survey has been compared with contemporary hydrographic survey H-7704 (1948). No further review by the Hydrographic Survey Section is necessary at the present time.

19 April 1951

J. A. Dinsmore

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Approximate contours } Multiplex }
Form lines } _____ }

REMARKS _____

NAUTICAL CHARTS BRANCH

SURVEY NO. 7-7/22

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.