

3839

U. S. G. SURVEY
L. & A.

OCT 20 1922

Acc. No.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: CALIFORNIA

11-5913

DESCRIPTIVE REPORT.

Topographic Sheet No. 3839

LOCALITY:

SAN FRANCISCO BAY

Vicinity of Richmond

194 21.

CHIEF OF PARTY:

T. C. Angle.

DESCRIPTIVE REPORT.

To accompany Topographic Sheet No.

Resurvey of Richmond, Calif., vicinity of Ellis Slough.

Under Instructions dated Nov. 24, 1920.

This sheet was necessary, because of a gap between topographic sheets, Nos. 3653 and 3654.

The topography, in the localities covered by this sheet, was done by one officer and three men from the deck. For the majority of the time, the party was quartered ashore in Richmond, leaving the ship on Monday morning and returning Friday night. The work was done mostly during March, 1921.

A traverse was carried along the Richmond waterfront, the topographer first locating himself with three known points, and then checking each new setup with two or more points. Topographic features were drawn in from setups near Δ City Hall Flagstaff and Δ Narrow Black Tank, for the purpose of tying in a map of Richmond.

A number of plane-table positions were determined along the shore from the ferry at Point Richmond to Point San Pablo for use in launch hydrography. These, together with positions determined in the resurvey of Richmond, are given in an accompanying list. Two of these, not being natural objects, are also given on form 524.

Four prints accompany the topographic sheet. One is a map of the city of Richmond. This map was compared in the field, and all non-existing streets were crossed out. The extent of building and street car tracks are shown. Due to this being a lithographic print on poor paper it may be found to agree not too closely with the topographic sheet; but it is thought that it is sufficiently accurate to permit the transfer of streets.

A blue print is given, showing the yard and track layout of the A.T. & S.F. Railroad.

What appears to be the most important change in the territory covered is shown on a photostat of the Standard Oil Plant. Four Δ 's have been marked on this photostat, so that it may be tied in with the other work. A channel has been cut through the swamp, north from point Richmond. The southern extremity of this, including a turning basin, is shown on the photostat and the topographic sheet. It is planned to include the remainder of the channel in the next season's work, - Resurvey of San Pablo Bay (Topographic Sheet No. 2445).

Future plans of the City of Richmond call for a channel beginning at the 31' spot off of the Standard Oil Docks of Point Richmond, down to the present channel off of the municipal dock, a widening and deepening of this latter channel and probably a seawall on the outer side of this channel over to Brooks Island.

(To accompany Topographic Sheet No.)

On chart 5532 is shown the name of a town, "Santa Fe" just south of Richmond; and southeast of this is shown a town or station named El Cerrito. There is no town in this locality named "Santa Fe". There is a very small town called "El Cerrito" just north of Albany, (the northern end of Berkeley), on San Pablo Ave. Its approximate latitude and longitude are $37^{\circ} 54'$; $122^{\circ} 18'$. There is no town where the present named "El Cerrito" is shown, this land being included in Richmond; and altho there was a Δ on the 160' hill close by called El Cerrito, none of the people living nearby, who were questioned, know it by that name.

F. G. Engle

F. G. Engle,
H & G Eng'r.,
Chief of Party.

R. F. A. Studde

R. F. A. Studde,
Jr. H & G Eng'r.,
Topographer.

LIST OF PLANETABLE POSITIONS.

To accompany Topographic Sheet No. 3.

Richmond, Calif., vicinity of Ellis Slough.

Object	Latitude o ' mtrs	Longitude o ' mtrs	Remarks
Pile	37 54 432	122 21 1015	Entrance to Ellis Landing.
Shoal Point	37 54 756	122 21 1364	20' pole imbedded in earth. (see description)
Outermost telephone pole	37 54 1103	122 21 856	On fill out from Ellis Landing.
Square brick chimney	37 54 1376	122 22 1037	Probably located before.
Light	37 54 882	122 23 812	On end of Santa Fe slip; not very prominent.
N. outer apron shed	37 54 946	122 23 768	Of ferry slip.
Black stack, small	37 54 1107	122 23 578	Not very prominent.
Semaphore	37 54 1442	122 23 347	On RR track.
Outer window on brown house	37 55 506	122 23 211	Uppermost.
Pile, on remains of old pier	37 55 718	122 23 607	Northwesternmost and outermost.
Flag-pole, schoolhouse	37 55 899	122 22 1306	
El Cerrito 2	37 55 813	122 20 887	See Description.
Black Stack, Pullman Shops	37 55 1300	122 20 460	
Bell Tower	37 56 188	122 21 1266	Square belfry; Bell.
Flagpole, Elk's Bld'g	37 56 324	122 21 836	In heart of Richmond; easily identified
Flagpole, Santa Fe shed	37 56 244	122 22 814	S.E. gable.
Outer gable, long shed	37 56 09	122 24 655	Higher of two sheds.
Whitewashed rock	37 56 349	122 24 1062	
Telephone pole	37 56 577	122 24 842	
Wash sign	37 56 1284	122 24 1056	Center.
Window on house	37 56 1567	122 25 98	Eastermost and highest.
Thick black stack	37 57 93	122 24 1350	At Winehaven plant.
Thin black stack	37 57 392	122 25 186	" " "

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

WASHINGTON

August 13, 1924.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 3839

Vicinity of Richmond, Calif.

Instructions dated Nov. 24, 1920

Chief of Party, F. G. Engle.

Surveyed by R. F. A. Studds.

Inked by R. F. A. Studds.

1. The records conform to the requirements of the General Instructions.
2. The plan and extent of the survey conform to the requirements of the General Instructions and satisfy the specific instructions.
3. The junctions with adjoining sheets are satisfactory.
4. This survey, in connection with several blueprints submitted by the field party contain all the information needed for charting and no further surveying is required.
5. \triangle Red Rock was erroneously plotted by the field party, being one minute of longitude in error although it was checked in the field by R. P. E.
6. The character and scope of the surveying are excellent and the field drafting is good.
7. Reviewed by E. P. Ellis, August, 1924.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

The finished Topographic Sheet is to be accompanied by the following title sheet, filled in as completely as possible, when the sheet is forwarded to the Office.

U. S. Coast and Geodetic Survey.

Register No. 3839

State CALIFORNIA

General locality SAN FRANCISCO BAY

Locality VICINITY OF RICHMOND

Chief of party . . E. G. ENGLE

Surveyed by . . . R. P. A. STUDDS

Date of survey . . MARCH, 1921

Scale 1 = 10,000

Heights in feet above

Contour interval feet.

Inked by . . RFAS Lettered by . . RFAS

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet . . 4 prints

2 Descriptions of Stations in duplicate.

Remarks: