Form 904
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: CALIFORNIA

DESCRIPTIVE REPORT.

Topographic Sheet No. 3839

LOCALITY:

SAN FRANCISCO BAY

vicinity of Richmond

19th 21

CHIEF OF PARTY:

J. G. Eagle
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 dock. 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 N Narrows 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 launching 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 blueprint 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 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.
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° 54'; 122°18'. There is no town where the present named "El Cerrito" is shown, this land being included in Richmond; and although 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.

R.F.A. Studds,
Jr. H & G Engr.,
Topographer.

F. N. Duval,
H & G Engr.,
Chief of Party.
## LIST OF PLATETABLE POSITIONS.

To accompany Topographic Sheet No. 3.
Richmond, Calif., vicinity of Ellis Slough.

<table>
<thead>
<tr>
<th>Object</th>
<th>Latitude D's</th>
<th>Longitude D's</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pile</td>
<td>37 54 432</td>
<td>122 21 1015</td>
<td>Entrance to Ellis Lading.</td>
</tr>
<tr>
<td>Shoal Point</td>
<td>37 54 756</td>
<td>122 21 1364</td>
<td>20' pole imbedded in earth. (see description)</td>
</tr>
<tr>
<td>Outermost telephone poles</td>
<td>37 54 1103</td>
<td>122 21 856</td>
<td>On fill out from Ellis Lending.</td>
</tr>
<tr>
<td>Square brick chimney</td>
<td>37 54 1376</td>
<td>122 22 1037</td>
<td>Probably located before.</td>
</tr>
<tr>
<td>Light</td>
<td>37 54 862</td>
<td>122 23 812</td>
<td>On end of Santa Fe slip; not very prominent.</td>
</tr>
<tr>
<td>N. outer apron shed</td>
<td>37 54 946</td>
<td>122 23 768</td>
<td>Of ferry slip.</td>
</tr>
<tr>
<td>Black stack, small</td>
<td>37 54 1107</td>
<td>122 23 378</td>
<td>Not very prominent.</td>
</tr>
<tr>
<td>Semaphore</td>
<td>37 54 1442</td>
<td>122 23 347</td>
<td>On N. track.</td>
</tr>
<tr>
<td>Outer window on brown house</td>
<td>37 55 506</td>
<td>122 23 211</td>
<td>Uppermost.</td>
</tr>
<tr>
<td>Pile, on remains of old pier</td>
<td>37 55 718</td>
<td>122 23 607</td>
<td>Northwesternmost and outermost.</td>
</tr>
<tr>
<td>Flag-pole, schoolhouse</td>
<td>37 55 899</td>
<td>122 22 1306</td>
<td></td>
</tr>
<tr>
<td>El Cerrito 2</td>
<td>37 55 613</td>
<td>122 20 887</td>
<td>See Description.</td>
</tr>
<tr>
<td>Black Stack, Pullman Shops</td>
<td>37 55 1300</td>
<td>122 20 460</td>
<td></td>
</tr>
<tr>
<td>Bell Tower</td>
<td>37 56 188</td>
<td>122 21 1236</td>
<td>Square belfry; Bell.</td>
</tr>
<tr>
<td>Flag-pole, Elk's Bldg.</td>
<td>37 56 324</td>
<td>122 21 833</td>
<td>In heart of Richmond; easily identified</td>
</tr>
<tr>
<td>Flagpole, Santa Fe shed</td>
<td>37 55 244</td>
<td>122 22 814</td>
<td>S.S. gable.</td>
</tr>
<tr>
<td>Outer gable, long shed</td>
<td>37 56 09</td>
<td>122 24 655</td>
<td>Higher of two gables.</td>
</tr>
<tr>
<td>Whitewashed rock</td>
<td>37 55 349</td>
<td>122 24 1022</td>
<td></td>
</tr>
<tr>
<td>Telephone pole</td>
<td>37 56 377</td>
<td>122 24 942</td>
<td></td>
</tr>
<tr>
<td>&quot;.-.-.- sign</td>
<td>37 56 1244</td>
<td>122 24 1036</td>
<td>Center.</td>
</tr>
<tr>
<td>Window on house</td>
<td>37 36 1567</td>
<td>122 25 98</td>
<td>Eastermost and highest.</td>
</tr>
<tr>
<td>Thick black stack</td>
<td>37 57 95</td>
<td>122 24 1350</td>
<td>At Finnehaven plant.</td>
</tr>
<tr>
<td>Thin black stack</td>
<td>37 57 392</td>
<td>122 25 135</td>
<td></td>
</tr>
</tbody>
</table>
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. △ 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. ...... 3830

State ...... CALIFORNIA ......
General locality ...... SAN FRANCISCO BAY ......
Locality ...... VICINITY OF RICHLOD ......
Chief of party ...... R. 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 ...... prints ......
2 Descriptions of Stations in duplicate.

Remarks: