DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: California

DESCRIPTIVE REPORT
Topographic | Sheet No. 4429
Hydrographic

LOCALITY
San Francisco Bay
San Leandro Bay

1929

CHIEF OF PARTY
T. J. Maher
Descriptive Report
To Accompany
Topographic Sheet B.
San Leandro Bay, California.

This survey was made under the San Francisco Field Inspector's orders of March, 1929.

Method of Survey

The standard plane table and stadia was used exclusively, four point fixes were used chiefly, supplemented by short traverses. A traverse was run from FARM to FORT with a closing error of seven meters which was adjusted.

The portion shown of the street lay-out of the City of Alameda was transferred from the City Engineer's map of the city. Sufficient street intersections were located in the field to properly orient and place the transfer. The streets all exist as shown. The channel leading to the Oakland Airport marked "Under Construction", and the proposed channel leading directly out to San Francisco Bay, were transferred from the Board of Port Commissioners' map. The northern portion of the Airport grounds, at present marshy, is being filled in and otherwise improved. The low water line, where shown, was obtained from the hydrographic sheet of the same area. No attempt was made to locate the low-water line to the west and south of Bay Farm Island, as this could be more easily done with an hydrographic party. The H.W. line between the Airport channel and the levee to the eastward, is difficult of determination because of its extreme flatness.

STATISTICS (statute miles)

<table>
<thead>
<tr>
<th>Shoreline</th>
<th>Roads</th>
<th>Sloughs</th>
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<tbody>
<tr>
<td>21</td>
<td>7.8</td>
<td>3.1</td>
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George A. Nelson
Topographer
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<thead>
<tr>
<th>Description</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Datum</th>
<th>Method of Determination</th>
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<td>Black Water Tank</td>
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<td>122-15</td>
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<td>Black Round Steel Stack</td>
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<td>Tower-Mutual Stores Office</td>
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<tr>
<td>Slender Black Steel Stack</td>
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<td>Radio Tower - E</td>
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DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
WASHINGTON
March 16, 1930.

SECTION OF FIELD RECORDS

Report on Topographic Sheet No. 4429
San Leandro Bay, California
Surveyed in 1929

T. J. Maher, Chief of Party.

Surveyed and inked by G. A. Nelson.

1. The work conforms to the requirements of the General Instructions. It was done under orders of the San Francisco Inspector, which are not available.

2. The junction at the south differs from T. 3795. Owing to the better control and completeness of the new survey in this section, T. 4429 is probably the most accurate and should be used for charting.

   The junction at the north and northwest agree with the previous surveys except for minor details.

3. The survey is adequate and no further surveying is required.

4. Reviewed by E. P. Ellis, December, 1929.

Approved:

Chief, Section of Field Records (Charts)

Chief, Section of Field Work (H. & T.)

Chief, Div. of Hyd'y and Top'y

Chief, Division of Charts
(Signed) L. O. Colbert
DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY  

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field Letter B

REGISTER NO. 4429

State: California

General locality: San Francisco Bay

Locality: San Leandro Bay

Scale: 1-10,000  Date of survey: March 15-31, 1929

Vessel: San Francisco Field Station

Chief of Party: T.J. Maher

Surveyed by: G.A. Nelson

Inked by: G.A.N.

Heights in feet above: to ground to tops of trees

Contour Approximate contour Form line interval: feet

Instructions dated: 19

Remarks: Field Inspectors orders of March, 1929