<table>
<thead>
<tr>
<th>LOCALITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carquinez Strait</td>
</tr>
<tr>
<td>Benicia and Martinez</td>
</tr>
</tbody>
</table>

1926

CHIEF OF PARTY

P. C. Whitney
DESCRIPTIVE REPORT

To accompany topographic sheet of Carquinez Straits, California.

Instructions of July 2, 1926.

A Topographic revision was made of that section shown on photostat of topographic 1696b (enclosed). This work was done between December 11, and December 28, 1926.

CONTROL:
Numerous triangulation stations were recovered within the limits of the sheet, furnishing excellent control. No closing errors were experienced. The scale is 1:10,000. It will be noted that the triangulation station Grove is plotted in error on the photostat. Although the sheet was seasoned before being projected it has contracted about 4 meters per minute North and South, and 9 meters per minute East & West.

SHORE LINE:
It was thought advisable to completely rerun the shore line, on account of changes noted as follows:
The Old Associated Oil Dock at Suisun Point is gone and replaced by a new one 450 meters to the NE.
Part of the Tule flat has been reclaimed where the Shell Oil Dock crosses the high water line.
Granger's Wharf is in a dilapidated condition and therefore shown with broken line on topo. sheet.
The Nevada Docks at Port Costa Brickworks are gone, a few old pilings are still in evidence.
The Yerba Dock has been burnt and charred piling only remain.

GENERAL:
The sheet is complete between low water and the railroad tracks on both sides of the Straits. No important changes were noted in the town of Benicia, California.

The topography on this sheet was done by E.A.Deily, and this report was made up from notes left by him.

Submitted by

[Signature]

[Signature]

[Signature]
CARQUINEZ STRAITS - CALIFORNIA.

PLANE-TABLE POSITIONS.

<table>
<thead>
<tr>
<th>Objects and Descriptions</th>
<th>Lat.</th>
<th>Long.</th>
<th>D.P.</th>
<th>Height</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolphin, N.W. S.F. Meters</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Painted white on outside face. Has light upon it.</td>
</tr>
<tr>
<td>S.F. Ferry slip, Benicia</td>
<td>38°-02</td>
<td>1479</td>
<td>122-10</td>
<td>124</td>
<td>15</td>
</tr>
</tbody>
</table>

| C.L. Western Union Cable Crossing Sign | 38°-02 | 1527 | 122-09 | 1450 | 20 | Of structural steel frame work placed on the brow of the pile of the S.P. Ferry Slip. |

| C.L. Cable Crossing Sign Benicia | 38°-02 | 1125 | 122-09 | 1146 | 7 | Wooden board sign on eastern most islet near S.P. Ferry Slip. |

| C.L. Cable Crossing Sign, S. side Carquinez Straits | 38°-02 | 567  | 122-10 | 658  | 15 | Board sign 110 meters S. of the Associated Oil Dock near Port Costa. |

| (Yel) Yellow Oil tank, Shell Oil Plant, Benicia | 38°-02 | 1156 | 122-09 | 105  | 30 | On shore end of the Martinez-Benicia Ferry Slip. |

| U.S.E. Harbor Line | 38°-01 | 1738 | 122-10 | 332  | 10 | 645 m. S.E. of Port Costa Brick Works. Cap set in concrete post flush with surface of ground. Letters on cap as noted. |

| T.I.S. 32 C.H.M. | 38°-01 | 1509 | 122-10 | 209  | 5  | 220 m. NNW from signal Dope. Bronze plug set in concrete post flush with surface of ground and letters as noted. |

| U.S.C.A.G.S. | 38°-01 | 795  | 122-09 | 342  | 10 | 850 m. NW. from signal Grove. Bronze plug set in concrete flush with surface of ground. Concrete bears the letters as noted. |

| Tank, Black Shell Oil Dock | 38°-01 | 1685 | 122-07 | 1190 | Old hydrographic sig. |
CARQUINEZ STRAITS.-- CALIFORNIA.

<table>
<thead>
<tr>
<th>Object &amp; Sound Descriptions</th>
<th>Lat.</th>
<th>D.V.</th>
<th>Longitude</th>
<th>D.P.</th>
<th>Height</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dolphin</td>
<td>38-02</td>
<td>120</td>
<td>122-07</td>
<td>705</td>
<td>15</td>
<td>Between Associated Oil &amp; Shell Oil Docks.</td>
</tr>
<tr>
<td>Stack, Black Veneer Mill, Martinez</td>
<td>38-01</td>
<td>395</td>
<td>122-08</td>
<td>549</td>
<td></td>
<td>Black stack of the power house.</td>
</tr>
</tbody>
</table>

copy / H.T.
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
WASHINGTON
April 14, 1927.

SECTION OF FIELD RECORDS

Report on Topographic Sheet 4231
Benicia and Carquinez, California

Surveyed in 1925

Instructions dated July 2, 1926 (Inspector, San Francisco)

Chief of Party, P. C. Whitney.

Surveyed and inked by P. C. Deiley.

1. The records conform to the requirements of the General Instructions.

2. The plan and character of the survey conform to the requirements of the General Instructions.

3. The character and extent of the survey satisfy the specific instructions.

4. The shoreline at Suisun Pt. differs from that shown on T. 4023, surveyed in 1922, by 18 meters. As improvements appear to have been made in this locality recently, the difference is probably due to this cause.

5. No additional surveying is needed.

6. The character and scope of the surveying are excellent. The field drafting is excellent except in one respect -- the projection lines are one-half millimeter thick.

7. Reviewed by E. P. Ellis, April, 1927.

Approved:

Chief, Section of Field Records (Charts)

[Signature]

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

[Signature]
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 No. ____________

REGISTER NO. 4231

State ________________ CALIFORNIA ____________________________

General locality ________________ CONTRA COSTA COUNTY Carquinez Strait ________________

Locality ____________________ Carquinez Strait, Benicia and Martinez

Scale ________________ 1:10,000 __________________________

Date of survey ________________ Dec. 11 to 28, 1926

Vessel ________________ SHORE PARTY ____________________________

Chief of Party ________________ Paul G. Whitney ____________________________

Surveyed by ________________ Earl A. Deily ____________________________

Inked by ________________ Earl A. Deily ____________________________

Heights in feet above High Water to ground ________________

Contour, Approximate contour, Form line interval ________________ feet

Instructions dated ________________ July 2, 1926 ________________

Remarks: ________________ Revision of Benicia and Martinez water fronts ________________

Attached. ________________

Descriptive Report, Plane table positions.