FORM 304
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

State: CALIFORNIA

DESCRIPTIVE REPORT.
Topog. Sheet No. 4014

LOCALITY:
- Grove Point to Petaluma Creek
- San Pablo Bay - W. Shore
- Grove Pt. to Mouth of Petaluma Creek

1921
1922

CHIEF OF PARTY:
E. G. Engle
Resurvey from Grove Point to Petaluma Creek
San Pablo Bay, Cal.

1. This work was started Oct. 22, 1921 and finished Dec. 9, 1922, under instructions dated June 1, 1921, one officer and two
men living ashore at a farmhouse near Galinas and getting around
to the work by means of a machine hired at this place.

2. The work was done on a new projection scale 1-10,000, too many changes being found for the work to be done accurately
on the bromide print.

3. The most important change is the large amount of
reclaimed land previously shown as marsh which is now under
cultivation, grain being raised mostly. Among other changes
are the widening of Galinas Creek and the creation of the island
near Santa Venecia, Santa Venecia being a summer bathing resort
recently established, a new building at St. Vincent's Orphanage,
the new state highway paralleling the Sonoma branch of the North
western Pacific Railroad and the highway bridge across Petaluma
Creek at Green Point. The towers of the Pacific Gas and Electric
Company's transmission line make good landmarks especially the
tall ones on each side of the creeks which were located by plane
Table however no attempt was made to include all of the towers
in the list of plane table positions.

4. The usual methods of surveying were used, traversing
and checking by three point fix wherever possible.

5. A list of recoverable plane table positions is attached.

Wm. H. Overshiner, Jr. H. & G. E.
Plane Table Positions.

<table>
<thead>
<tr>
<th>Objects and descriptions</th>
<th>Lat.</th>
<th>D.M.</th>
<th>Long.</th>
<th>D.P.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cupola, large building at Santa Venecia</td>
<td>38-00</td>
<td>850</td>
<td>122-31</td>
<td>392</td>
</tr>
<tr>
<td>Center tin shack, pumping station</td>
<td>38-02</td>
<td>36</td>
<td>122-30</td>
<td>225</td>
</tr>
<tr>
<td>Center shack, pumping station</td>
<td>38-03</td>
<td>904</td>
<td>122-29</td>
<td>820</td>
</tr>
<tr>
<td>Center tin shack, pumping station</td>
<td>38-04</td>
<td>732</td>
<td>122-29</td>
<td>55</td>
</tr>
<tr>
<td>Pil, group of piles</td>
<td>38-05</td>
<td>914</td>
<td>122-28</td>
<td>1422</td>
</tr>
</tbody>
</table>
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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. 4014

Field Sheet

State ........................................ California
General locality ................................ San Pablo Bay - West Shore
Locality ........................................ Grove Point to Petaluma Creek
Chief of party .................................. F.G. Engle, O.W. Swainson
Surveyed by ..................................... Wm. H. Overshiner
Date of survey .................................. Oct. 22 to Dec. 9, 1921
Scale ........................................... 1:10,000

Heights in feet above
Contour interval . . . . . feet.

Inked by ....................................... W. H. O.
Lettered by ..................................... W. H. O.
Records accompanying sheet (check those forwarded): Photographs,
Descriptive report, Horizontal angle-books, Field computations.
Data from other sources affecting sheet

Remarks: See accompanying chart