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

State: CALIFORNIA

DESCRIPTIVE REPORT.

Topog. Sheet No. 4017

Locality:

TOLAY AND SOLANO COUNTIES

San Pablo Bay - N. Shore

Tolay Cr. to Napa Slough

1912

Chief of Party:

O. W. Swainson
RESURVEY OF TOLAY & SONOMA CREEKS.

1. This work was started in December 1921 and finished February 1922 under instructions dated June 1st 1921. During the first part of the work the party of 1 officer & 2 men were living ashore at Novato getting around to the work by means of a machine hired there. Later however as the roads became practically impassable due to heavy rains and as there was no way to reach the country west of Sonoma Creek by road except by a long detour the work was done from the ship while she was lying in Sonoma Creek.

2. This sheet was laid out before the extent of Sonoma Creek and tributary sloughs was fully known, later therefore it became necessary to lay out the adjoining sheet to the east in order to divide up the work between the topographic parties and the adjoining sheet to the north was made to include the upper limits of Sonoma Creek and branches.

3. A large amount of marsh land has been reclaimed since the last survey, it might be mentioned that the process of reclamation consists of first building a substantial levee around the tract openings are then made in the levees at widely separated points and the tide allowed to flow in and out flooding the entire field. Ranchers claim that the level of the land has been raised as much as 10" in two years by this operation. The whole of Tubbs Island has been reclaimed at present except for the small piece at the south western end of the Island which is still kept as a marsh as a private game preserve. Tolay Creek and branches has been practically filled up with marsh grass no dredging having been done there for several years as there is hardly any navigation thru it at the present time although there is some talk of reopening the quarries up the branch of the creek that passes Fairfield. In this case this branch and the main creek may be dredged to accommodate the rock barges.

4. The towers of the Pacific Gas and Electric Company transmission line were all located accurately, the taller ones across the creeks being located by triangulation, and these make excellent landmarks. Another good landmark is the two white silos on the ranch just off the state highway, and northeast of reclamation.

5. The usual plane table methods were employed, traversing and checking with a three point fix whenever possible.

6. A list of plane table positions is attached.

Wm. H. Overshiner, Jr. H&G Engineer.
List of Plane Table Positions

<table>
<thead>
<tr>
<th>Object</th>
<th>Lat.</th>
<th>D.M.</th>
<th>Long.</th>
<th>D.P.</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ann</td>
<td>38-08</td>
<td>845</td>
<td>122-24</td>
<td>584</td>
<td>Banner (not recoverable)</td>
</tr>
<tr>
<td>2. Bee</td>
<td>38-08</td>
<td>650</td>
<td>122-23</td>
<td>690</td>
<td>Channel beacon</td>
</tr>
<tr>
<td>3. Jean</td>
<td>38-07</td>
<td>826</td>
<td>122-25</td>
<td>371</td>
<td>Banner (not recoverable)</td>
</tr>
<tr>
<td>4. Ship</td>
<td>38-07</td>
<td>11</td>
<td>122-26</td>
<td>958</td>
<td>Tripod signal</td>
</tr>
<tr>
<td>5. Pil</td>
<td>38-08</td>
<td>845</td>
<td>122-27</td>
<td>127</td>
<td>Southeastern one of two white silos</td>
</tr>
<tr>
<td>6. Vant</td>
<td>38-10</td>
<td>845</td>
<td>122-24</td>
<td>127</td>
<td>Vantilator top of barn</td>
</tr>
<tr>
<td>7. Windmill</td>
<td>38-09</td>
<td>394</td>
<td>122-22</td>
<td>70</td>
<td>Navy Yard Slough</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. 4017

State . California .

General locality . San Pablo Bay - North Shore .

Locality . Tible to Napa Slough .

Chief of party . O. W. Swinson .

Surveyed by . W. H. Overshiner .

Date of survey . Dec. 1921 - Feb. 1922 .

Scale . 1 - 10,000 .

Heights in feet above .

Contour interval . feet .


Records accompanying sheet (check those forwarded): Photographs, Descriptive report, Horizontal-angie-tie-Field-computations?

Data from other sources affecting sheet .

Remarks: See accompanying chart .