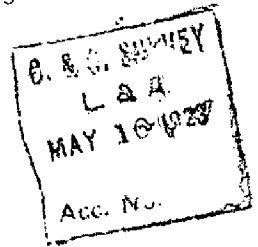


4017

777 D.P's to be CK'd.
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Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: CALIFORNIA

11-5613

DESCRIPTIVE REPORT.

Topog. Sheet No. 4017 4

LOCALITY:

~~TOLEY AND SONOMA CREEK~~

San Pablo Bay - N. Shore

Tolay Cr. to Napa Slough

19122

CHIEF OF PARTY:

O. W. Swainson

4017

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 two 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 Fairville. In this case this branch and the main creek may be dredged to accomodate 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 land marks. Another good land mark 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.

W. H. Overshiner

Wm. H. Overshiner,
Jr. H&G Engineer.

*These values
should be checked
OVS*

List of plane table positions.

Object	Lat.	D.M.	Long.	D.P.	
1. Ann	38-08	845	122-24	684	Banner. (not recoverable)
2. Bee	38-08	650	122-23	690	Channel beacon.
3. Jean	38-07	820 ⁶	122-25	1115 ³¹	Banner. (not recoverable)
4. Ship	38-07	11	122-26	988 ⁰⁴	Tripod signal. "
5. Silo	38-08	845 ⁶	122-27	1137 ⁴³	Southeastern one of two white silos.
6. Vant	38-10	1175 ⁴¹	122-24	1157 ³⁵	Ventilator top of barn.
7. Windmill	38-09	394	122-22	70	Navy yard slough.

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. 4 4017

State . California

General locality . San Pablo Bay - North Shore

Locality . Tolay ^{Creek to Napa Slough} ~~and Sonoma Creeks~~

Chief of party . O.W. Swainson

Surveyed by . Wm. H. Overshiner

Date of survey . Dec. 1921 - Feb. 1922

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