

4014

C. & G. SURVEY
L. & A.
MAY 16 1923
No. 100.

Form 504
 DEPARTMENT OF COMMERCE
 U. S. COAST AND GEODETIC SURVEY

State: CALIFORNIA

11-5413

DESCRIPTIVE REPORT.

Topog. Sheet No. 4014¹

LOCALITY:
 Mouth of
~~GROVE POINT TO PETALUMA CREEK~~

San Pablo Bay - W. Shore

Grove Pt. to Mouth of Petaluma Creek

1921
 1923

CHIEF OF PARTY:
 F. G. Engle

4014

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 land marks 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

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

Plane Table Positions.

Objects and descriptions.	Lat.	D.M.	Long.	D.P.
Cupola, large building at Santa Venecia	38-00	850	122-31	392
Center tin shack, pumping station	38-02	86	122-30	225
Center shack, pumping station	38-03	904	122-29	820
Center tin shack, pumping station	38-04	732	122-29	55
Pil, group of piles	38-05	914	122-28	1422

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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.

Field Sheet!

Register No. 4014

State . . . California

General locality . San Pablo Bay - West Shore

Locality . Grove Point to ^{Mouth of} 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*