

40164015

Acc. No.

Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

State: California

11-5613

DESCRIPTIVE REPORT.

Field nos 2 and 3

Topographic Sheet No.

4015

4016

LOCALITY:

San Pablo Bay

Petaluma Creek 2 Sheets

(4015) Mouth to San Antonio Creek

(4016) San Antonio Cr. to Petaluma

1922

CHIEF OF PARTY:

O. W. Swainson

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. 4015*Field no 2*State . . . CaliforniaGeneral locality . . San Pablo BayLocality Petaluma Creek, Mouth to San Antonio Creek
~~Lower part~~Chief of party . . . O. W. SwainsonSurveyed by . . . W. H. Overshiner and L. M. MowerDate of survey . . . March and April 1922Scale . . . 1 : 10,000

Heights in feet above

Contour interval feet.

Inked by W. H. Overshiner and L. M. Mower . . . Lettered by L. M. Mower

Records accompanying sheet (check those forwarded): Photographs,

Descriptive* report, Horizontal angle books, Field computations,

Data from other sources affecting sheet

*See Army Engineers' dredging results.*Remarks: Sheet number 1 practically completed by W.H.O.
" " 2 by L.M.M.*See accompanying chart*

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U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

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U. S. Coast and Geodetic Survey.

Register No.

*Field No 3**4016*State *California*General locality *San Pablo Bay*Locality *Petaluma Creek, ~~Upper part~~ San Antonio Creek to Petaluma*Chief of party *O.W. Swainson*Surveyed by *L.M. Mower*Date of survey *April, 1922*Scale *1 : 10000*

Heights in feet above

Contour interval feet.

Inked by *L.M.M.* Lettered by *L.M.M.*

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal angle books, Field computations,

Data from other sources affecting sheet *Two blue prints by**U.S. Engineers showing new channel dredged since topographic survey was completed.*

Remarks:

See accompanying chart

REVISION SURVEY OF PETALUMA CREEK.

under instructions dated June 1, 1921.

1. The revision survey of Petaluma Creek was started in March and finished in April, 1922. Mr. Overshiner did nearly all the lower sheet and Mr. Mower the upper. The work was done from the ship with two or three hands and the motor sailor or the dinghy.

2. The methods employed were to set up and orient by three point fix on the numerous triangulation stations. No traverses were necessary. Attention is called to the following changes from the topography as shown on the chart:

- (a) Highway drawbridge above R.R. drawbridge
- (b) Reclamation of land on the left bank advancing the high water line.
- (c) False Bay has filled up to a great extent and is nothing as shown.
- (d) Lone tree and Petaluma Baptist Church Spire are gone.
- (e) From $\frac{1}{4}$ mile above Petaluma R.R. drawbridge up to Petaluma attention is called to the channel changes.
- (f) The Army Engineers propose to cut a channel from Cloudy Bend above Lakeville thru to the R.R. drawbridge below Petaluma. *This is now finished.*

L. M. Mower
L. M. Mower, Jr. H.&G. Eng.

PLANE TABLE POSITIONS

Objects and Description	Lat.	D.M.	Long.	D.P.
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Part 1 (sheet 2)

Mill Windmill	38 07	1215	122 27	120
Windmill	07	518	28	1350
Windmill	08	95	28	1148
Top Center of R.R. draw	06	1390	30	97
Rid Counterpoise of highway draw	06	1734	30	485
End End of dock	07	1342	30	845
Cot " " " at Twin Gables	08	975	31	231
Windmill Hog Island	09	625	32	362
Red End of dock	10	663	31	1173
Cupola on Foster Barn	10	1175	32	20
Gob	07	51	28	315

Part 2 (Sheet 3)

Cup Cupola at Donahue	38 11	364	122 32	635
Wind Windmill	11	1618	32	945
Bel W.gable barn	12	382	33	
Hunt Flag pole Tule gun club	11	1575	34	115
Rex " " " "	12	797	32	1283
Wig Whitewash	12	1037	35	767
Farm White house	11	886	34	560
Shack	13	120	34	1356
Hill W.gable house	13	97	36	378
El "L" in CYCOL sign	13	805	36	820
Oil Zerolene Oil sign	13	952	36	1037
One Outer oil tank	13	1308	37	76
Up Square windmill on hill	13	1265	37	484
Sem Semaphore	13	1170	36	1073
Fore "	13	1530	36	1266
Part Standard hydrographic mark	13	1502	37	693
It Small out house	14	40	37	844
Ter Red tank	14	260	37	882
Black Windmill	14	683	37	482
Beld Belding Bros. Tank	14	375	37	1186
Rosa Flag pole Santa Rosa R.R. sta.	14	280	38	35
Flag Small flag end of dock	14	235	38	267
Door Right door of milling co.	14	315	38	369