4016 4015

Acc. No.

4016 4015

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

:7a
3

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.

Field no 2

Register No. 4015

State . . . California . . . . . .

General locality . . San Pablo Bay . . . . . .

Locality . . . . . Petaluma Creek., ~~Lower part~~ Mouth to San Antonio Creek . . . . . .

Chief of party . . . O. W. Swainson . . . . . .

Surveyed by . . W. H. Overshiner and L. M. Mower . . . . . .

Date of survey . . March and April 1922. . . . . .

Scale . . 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

37a
13

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. 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 thr R.R. drawbridge below Petaluma. This is now finished. J.S.

L.M. Mower

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

PLANE TABLE POSITIONS

Objects and Description		Lat.		D.M.	Long.		D.P.
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	N.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