

1696a
1696b

D.M.'s + D.P.'s to be checked

G. & G. SURVEY
L. & A.
MAY 16 1923
Acc. No.

1696a
1696b

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

State: California

11-5813

DESCRIPTIVE REPORT.

Topog. Sheet No. (9) 1696^a

LOCALITY:

San Pablo Bay

Carquinez Strait

Mare I. + Oleum to Porto Costa

1921²¹

CHIEF OF PARTY:

O. W. Swainson

Revision survey from Oleum to Crocket under instructions dated, June 1st, 1921.

1. The revision survey from Oleum to Crocket was started December, 2nd, 1921 and finished December, 9th, 1921. The party of one officer and two hands used Vallejo as a base.
2. Among the more important landmarks located are, two stacks at Selby, transmission tower on each side of Carquinez Straits, Carquinez school at Valona, flagstaff at Rolfes Estate, red tank, tanks and stack at sugar refinery, letter V in sign Vallejo, and white tank at Sperrys flour mill.
3. The plant at Selbys has made additional ground by filling as shown on the bromide. With this exception, the shore line is practically as shown. On the chart the main dock at Selbys, and the Point Costa Lumber docks above Vallejo Junction have been removed. The 6 minute ferry slip at Morrow Cove should be shown on the chart.
4. The prominent objects located were by plane table set up and oriented by three point fixes in all cases. No unusual methods of survey were necessary.
5. With this sheet as a supplement is enclosed a blue print map of the Union Oil Co. Refinery at Oleum on a scale of 1":200'. For orientation are marked on both bromide and blue print; 1&2 Tanks on hill, 3 Tank with shield on it, 4 End of inner wing of dock, 5 Tower on end of dock. Also I have enclosed a blue print of the California & Hawaiian Sugar Refinery at Crockett and on both the bromide & blue print are noted; A Brick stack, B Concrete stack.

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

*These values should
be checked
ows*

Plane table positions.

Objects and descriptions.	Lat.	D.M.	Long.	D.P.
Tower on end of Oleum dock.	38-03	589	122-15	973
Yellow barn house.	"	214	"	48
Stack, Selbys Smelter.	38-03	669	122-14	1098
Stack, Selbys Smelter.	"	846	"	936
<i>Wade</i> Mill of house, U.S. Cart. Co.	"	936	"	675
Transmission tower.	"	563	"	26
6 minute ferry sign.	38-03	889	122-13	1052
Flagstaff, Carquinez branch school.	"	391	"	783
Carquinez branch school.	"	359	"	800
Flagstaff, Rolfes house.	"	496	"	127
Tanks on sugar refinery.	"	850	"	208
Old brick stack on sugar refinery.	"	845	"	105
New concrete stack on sugar refinery.	"	807	"	106
Red tank.	"	474	122-12	1159

Continued

Plane table positions.

Objects and descriptions.	Lat.	D.M.	Long.	D.P.
Numeral 5 in "57" varieties.	38-03	1839	122-13	645
Transmission tower.	38-04	43	"	906
House on 6 min. ferry slip.	"	44	"	1140
Platform.	"	365	122-14	92
^{Letter} Letter V in Vallejo.	"	837	"	385
Dredge beacon.	"	1205	"	420
White tank.	"	1986 1683	"	815
House at end of Light House dock.	"	375	"	937
" " middle of " " "	"	468	"	850
Flagstaff, Carquinez Light house.	"	460	"	800
White tank. " "	"	497	"	788
House at end of Mare Island Light dock.	"	552	"	1199

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. ⁹ 1696 a

Field sheet 9

State CALIFORNIA

General locality SAN PABLO BAY

Locality Carquinez Strait, Mare I. and Oleum to Port Costa
~~OLEUM TO CROCKETT~~

Chief of party O. W. SWAINSON

Surveyed by L. M. MOWER

Date of survey DEC, 1921

Scale 1:10000

Heights in feet above

Contour interval feet.

Inked by 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 2. BLUE PRINTS OF

UNION OIL CO. & CROCKETT SUGAR REFINERY

Remarks:

See accompanying chart

1696^b

Form 504

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: *California*

11-5613

DESCRIPTIVE REPORT.

Topographic Sheet No. *1* 1696^b

LOCALITY:

~~*Conguinez Straits*~~

Suisun Bay

Port Costa to Suisun Pt.

1922

CHIEF OF PARTY:

O. W. Swainson

1696^b

TOPOGRAPHIC SHEET #1
SURVEY OF SUISUN BAY, CALIFORNIA
Under Instructions of March 1, 1922

This sheet extends from Port Costa and Dillons Pt. on the west to Suisun Pt. and Army Pt. on the east, covering both shores of Carquinez Straits and including the towns of Benicia and Martinez. Work on it was started August 1, 1922 and completed August 10, 1923.

A bromide sheet showing the territory as it was in 1886 was taken into the field. The work on that sheet was checked. Where the shore line or other features have changed, the present conditions are shown in red. The changes in respect to the present chart are few. Anything not shown differently on the bromide exists as shown on the chart with the exception of the town of Benicia. The bromide shows the true size of Benicia much better than the present chart as the great number of streets on the chart are misleading.

Port Costa is the southern terminal for the Southern Pacific R. R. Ferry across the Straits. It is also an important port in the shipment of grain, a number of large wharves being used for this purpose. Benicia is the northern terminal of the Ferry. The town is small, its most important industry being a tannery. At its eastern border is the U. S. Arsenal and just west of the town is Southampton Bay where at present 32 government ships are lying idle.

Martinez is the county seat of Contra Costa County. Its largest industry is the Shell Oil Co., the plant of which lies just east of the town. Stockton steamers stop here and the town is connected to Benicia by the Martinez-Benicia Ferry.

I would call attention to the new plant and dock, Ozol, on the south shore of the Straits. On the north shore the former "Mail Dock" no longer functions as a dock but is little more than a group of old piling with a few loose planks lying about.

The ordinary plane table methods were used on this sheet. No traverses were necessary as a three point fix was always available. The topographic party consisted of one officer and three or four men using the motor-sailer as a means of transportation.

A list of plane table positions accompanies this sheet. It consists of two positions only. That is due to the great number of triangulation positions on the sheet which made plane table positions unnecessary.

Robert H. Burns
Aid, U. S. C. & G. Survey

PLANE TABLE POSITIONS

TOPOGRAPHIC SHEET #1

Object	Lat.	D. M.	Long.	D. P.	Remarks
Black Tank on Shell Oil Dock, "On"	38 01	1692	122 07	1189	Center of tank
U. S. Engineers' Signal, "Ape"	03	999	10	676	" of signal

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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U. S. Coast and Geodetic Survey,
Register No. 1 1696^b

State California

General Locality Suisun Bay

Locality Port Costa to Suisun Pt. and San Francisco Bay

Chief of party . . . O. W. Swainson

Surveyed by . . . R. W. Byrns

Date of survey . . August 1922^X

Scale 1:10,000

Heights in feet above

Contour interval feet.

Inked by R. W. B. . . . Lettered by R. W. B.

Records accompanying sheet (check those forwarded): Photographs,

Descriptive report, Horizontal-angle-becks, Field-computations,

Data from other sources affecting sheet

Remarks: