

Graphic Control

6899a+b

Diag. Chart No 5534-1

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey A-Topographic, B-Graphic Control

Field No. F? G Office No. 6899 a-b

LOCALITY

State California

General locality Suisun Bay

Locality A- Vicinity of Pittsburg

B- Vicinity of Antioch

1941 & 1942

CHIEF OF PARTY

H.A. Cotton, L.D. Graham, G.L. Bean

LIBRARY & ARCHIVES

DATE

8-1870-1 (1)

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.

TC899a

Graphic Control

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "F" 1941

REGISTER NO.

TC899a  
Graphic Control

State California

General locality Suisun Bay

Locality Pittsburg

Scale 1:10 000 Date of survey December, 19 41

Vessel U.S.C. & G.S.S. "GUIDE"

Chief of party L.D. Graham

Surveyed by C.A. Schoene

*L.H. Carstens*

Inked by ~~Left in pencil~~

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval ---- feet

Instructions dated September 26, 19 39

Supplemental Instructions in 1941

Remarks: \_\_\_\_\_

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

T6899b  
Graphic Control

TOPOGRAPHIC TITLE SHEET

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. "G" 1942

REGISTER NO. T6899b

State California

General locality Junction of San Joaquin & Sacramento Rivers

Locality Antioch

Scale 1:10 000 Date of survey January, 1942

Vessel U.S.C. & G.S.S. "GUIDE"

Chief of Party G.L. Bean

Surveyed by C.A. Schoene

Inked by Left in Pencil

Heights in feet above ----- to ground to tops of trees

Contour, Approximate contour, Form line interval --- feet

Instructions dated September 26, 1939

Remarks:



# DESCRIPTIVE REPORT

to accompany

GRAPHIC CONTROL SHEETS

FIELD LETTERS "E" "F" "G"

1941 - 42

Suisun Bay California

*This report has been added to the descriptive report of T-6902 for use of information relative to T-6902 b, Field "E"*

## AUTHORITY

The survey covering sheets "E", "F", and "G" was made in accordance with Director's Instructions dated September 26, 1939, Project HT 239 and Supplemental Instructions in 1941. The fieldwork on Sheet "E" was done in November 1941, Sheet "F" in December 1941, and Sheet "G" in January 1942.

## SCALE

The scale of these sheets is 1:10,000.

## LOCALITY

Sheet "E" extends from the center of Freeman Island to a point approximately one mile west of New York Point. Sheet "F" extends from the east edge of sheet "E" to Pt. Sacramento. Sheet "G" extends from Pt. Sacramento to the west end of Donlon Island.

## CONTROL

The control for this area consists of Triangulation executed in 1922 and 1932, and hydrographic signals out in by triangulation in 1940-41 by the "GUIDE". Following is a list of triangulation stations on Sheet "E" located in 1940-41:

Name of Station	Hydrographic Name
CHEM - 1941	Chem
U.S.E.D. (Tripod)	Sed
Middle Ground I. Light	
Beacon No. 2	Mid
No. 5	Oke
No. 6	Sim
No. 7	Tree
No. 8	Lone
No. 10	Dot
No. 11	Wee
No. 12	No

## METHOD

The topographic stations on this sheet were located by sextant fixes and sextant cuts from triangulation and graphic control stations. At each station where angles were taken, the horizon was closed and each angles was adjusted for the horizon closure. These corrections usually average about one minute per angle. The adjusted angles were plotted on aluminum sheets with a steel three-arm protractor. All stations were located by a good fix with a check angle, or at least three cuts giving a good intersection, or a combination of the two. It is believed that the precision of the work is as high as would have been obtained by using the planetable. The planetable was not used on sheets "E", "F", and "G".

*? park*



#### JUNCTIONS AND COMPARISONS WITH PREVIOUS SURVEYS

There is no shoreline on sheets "E", "F", and "G", so for this reason no comparison can be made with previous surveys, except for the location of some natural objects which are common to both surveys. Hydrographic signal "Mal" on sheet "E" plots in the same position as signal "Fer" on Topo Sheet No. 4024 executed in 1923. Signal "Ment" on Sheet "G" plots about 75 meters southwest of signal B.M. No. 2 as shown on Topo Sheet 4025 executed in 1923. It is believed that these two signals are the same, but they may be two different signals. Signal "Who" on sheet "G" plots in the point as signal "Win" on T-4025.

#### RECOVERABLE TOPOGRAPHIC STATIONS

A large number of natural objects of a permanent recoverable nature were located for hydrographic signals on these three sheets. Descriptions of these are being submitted on form no. 524.

#### AERIAL PHOTOGRAPHS

Aerial photographs were taken of this area before the fieldwork was done on these sheets. For this reason, the shoreline was not surveyed, and only the hydrographic signals were located on Sheets "E", "F", and "G". An air photographic field inspection party from the Ship "Pioneer" was working in this area at the time these sheets were surveyed. Cooperation was maintained between the two parties as far as possible but the field inspection party finished about six weeks ahead of the topo party. For this reason it is thought that a copy of the descriptions of the recoverable stations should be sent to the photo compilation party in charge of compiling the photographs of this area. The photographs were not used by the topo party.

#### LANDMARKS

The landmarks in the area covered by these sheets were submitted on form 567 by the Air-Photographic Field Inspection Party of the Ship "Pioneer", October to December, 1941.

#### DATES OF FIELDWORK AND PERSONNEL

The fieldwork on Sheet "E" was done in November, 1941 by W.R. Jackson and C.A. Schoene under H.A. Cotton as Chief of Party. The fieldwork on Sheet "F" was done in December, 1941 by C.A. Schoene under L.D. Graham as Chief of Party. The fieldwork on Sheet "G" was done in January, 1942 by C.A. Schoene under G.L. Bean as Chief of Party.

#### WORK TO BE DONE BY PROCESSING OFFICE

These sheets are transmitted to the Oakland Processing Office uninked because there is not sufficient time to ink them before the personnel of the "Guide" will be transferred to the Navy.

It is recommended that these sheets be transmitted to the Washington Office in pencil, so that they may be used over again at some future time in case there is a shortage of Aluminum Sheets. It should not be necessary to preserve these sheets, since there is nothing on them but hydrographic signals.

Respectfully submitted,  
*Charles A. Schoene*  
Charles A. Schoene,  
Aid, C. & G. Survey.

Approved and Forwarded:

*Geo. L. Bean*  
Geo. L. Bean,  
Chief of Party, C. & G. Survey,  
Commanding Ship "Guide".

*Inspected by R. Knorr July 13, 1942*  
*Robert W. Knox*  
Robert W. Knox,  
Chief, Surveys Section

*Signals and names inked in Washington Office*



# MEMORANDUM

## IMMEDIATE ATTENTION

SURVEY  
DESCRIPTIVE REPORT  
~~PHOTOSTAT OF~~

~~MOORE~~

No. T

**T6899 a**  
**T6899 b**  
**Graphic Control**

received **Dec. 29, 1942**  
registered **Jan. 5, 1943**  
verified  
reviewed  
approved

This is forwarded in order that your attention may be directed to the matters as indicated below. Please initial in column 3 as an acknowledgement that your attention has been thus directed. The complete original records are available if desired. If you cannot give this your immediate attention, please initial, note, and forward to the next section marked, calling for the records at your convenience.

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RETURN TO

82	<b>R.W.Knox</b>
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*✓R.W.K.*

## Remarks

## Decisions

1	For title	Suisun Bay 980220
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# GEOGRAPHIC NAMES

Survey No. T-6899ab  
Graphic Control

GEOGRAPHIC NAMES															
Survey No. T-6899ab															
Graphic Control															
Name on Survey															
	On Chart No.	On previous survey No.	On U. S. quadrangle Maps	From local information	On local Maps	P. O. Guide or Map	Rand McNally Atlas	U. S. Light List							
Suisun Bay															1
Pittsburg															2
Antioch															3
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			by L. Heck on 1/30/43												8
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Names in red approved  
by L. Heck on 1/30/43