# Descriptive Report

**Type of Survey**  
A- Topographic  
B- Graphic Control

**Field No.** D  
**Office No.**

## Locality

**State** California

**General Locality** Suisun Bay

**Locality**

- **A- Vicinity of Fort Chicago**
- **B- Honkers Bay**

**Chief of Party**

C.M. Thomas  
H.A. Cotton

## Library & Archives

**Date** January 5, 1943
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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. "D" 1940-41
REGISTER NO. T6902a

State California

General locality Suisun Bay
Locality Point Edith to Middle Point, vicinity of Fort Chicago

December, 1940, Date of survey Jan. and Nov., 1941.

Scale 1:10,000

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

Chief of party Chas. M. Thomas and Harold A. Cotton
Surveyed by F. X. Popper and C. A. Schoene

Inked by Oakland Processing Office

Heights in feet above MLLW to ground to tape 200,000
Contour, Approximate contour, Form line interval— feet

Instructions dated September 26, 1939

Remarks: Area covered by T-5943 (1941-12)

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

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 Letter "E" 1940

REGISTER NO. T6902b

State: California

General locality: Suisun Bay

Locality: Honker Bay

Scale: 1:10,000

Date of survey: November, 1941


Chief of Party: Harold A. Cotton

Surveyed by: C.A. Schoene and W.R. Jackson

Inked by: Left In pencil

Heights in feet above MLLW to ground

Contour Approximate contour Form line interval:

Instructions dated: September 26, 1939

Supplemental Instructions in 1941

Remarks: This sheet was used for locating...
DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

FIELD LETTER "D"

1940--41

Suisun Bay, California

AUTHORITY

This survey was made in accordance with Director's Instructions dated September 26, 1939, Project HT 239. The fieldwork was done in December, 1940, and January and November, 1941.

SCALE

The scale of this survey is 1:10,000.

LOCALITY

The area covered by this sheet includes only the area adjacent to the waterfront from Pt. Edith east to Middle Point in Suisun Bay.

CONTROL AND METHOD

Control for this area consists of Triangulation executed in 1914, 1922, 1932 and 1939. The usual planar procedure was followed on this sheet by using a combination of traverse and three-point fixes, with no deviation from standard practice.

JUNCTIONS

This sheet makes a satisfactory junction on the west with 1939 Topographic Sheet, Reg. No. T6735. The junction with 1923 Topographic Sheets, Reg. Nos. 4023 and 4024, is satisfactory.
COMPARISONS WITH PREVIOUS SURVEYS

The 1922 survey, Reg. No. 4023, covers the entire area of this sheet. Generally the recent survey shows no appreciable change in the shoreline except for some new channels that have been dredged on the south shore in the vicinity of Fort Chicago. There are also some changes in the docks along the south shore in the vicinity of Bay Point.

RECOVERABLE TOPOGRAPHIC STATIONS

A few natural objects located for hydrographic signals are of a permanent recoverable nature. Descriptions of these are being submitted on form No. 524.

GEOGRAPHIC NAMES

There are no new geographic names on this sheet.

MAGNETICS

Three magnetic meridians were drawn on this sheet using declinatoire No. 170. The error of this declinatoire is not known and cannot now be determined.

AERIAL PHOTOGRAPHS

Aerial photographs were taken of this area after the fieldwork on this sheet was completed. For this reason it was decided not to ink the shoreline on the sheet, so that it could be more easily compared with the photo-compilation.

LANDMARKS

The landmarks in the area covered by this sheet 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

Of the work on this sheet, 90% was completed in December, 1940, and January, 1941, by F. X. Popper, with Lieutenant Chas. M. Thomas Chief of Party. The remaining 10%, consisting of the shoreline along the south side of the bay (Long. 122°-02.7' to 122°-01.8' and Long. 122°-01.0' to 121°-59.0'), was completed in November, 1941, by C. A. Schoene, with H. A. Cotton as Chief of Party.

WORK TO BE DONE BY PROCESSING OFFICE

This sheet is transmitted to the Oakland Processing Office uninked because there is not sufficient time to ink the sheet before the personnel of the GUIDE will be transferred to the Navy.

The shoreline on this sheet should be left in pencil. The topo signals and names, triangulation stations and names, projection, magnetic meridians, and title should be inked, and the sheet cleaned up before transmitting to Washington.

Respectfully submitted,

Charles A. Schoene,
Aid, C. & G. Survey.

Approved and forwarded:

Chas. M. Thomas,
Chief of Party, C. & G.S.
DESCRIPTIVE REPORT

to accompany

GRAPHIC CONTROL SHEETS

FIELD LETTERS "E" "F" "G"

1941 - 1942

Suisun Bay, California

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 field work 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
cut in by triangulation in 1940-41 by the "GUIDE." Follow-
ing is a list of triangulation stations on Sheet "E"
located in 1940-41:

<table>
<thead>
<tr>
<th>Name of Station</th>
<th>Hydrographic Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM - 1941</td>
<td>Chem</td>
</tr>
<tr>
<td>U.S.E.D. (Tripod)</td>
<td>Sed</td>
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<tr>
<td>MIDDLE GROUND I. LIGHT</td>
<td>Mid</td>
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<tr>
<td>No. 5</td>
<td>Oke</td>
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<tr>
<td>No. 6</td>
<td>Sim</td>
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<tr>
<td>No. 7</td>
<td>Tree</td>
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<tr>
<td>No. 8</td>
<td>Lone</td>
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<tr>
<td>No. 10</td>
<td>Dot</td>
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<tr>
<td>No. 11</td>
<td>Wee</td>
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<tr>
<td>No. 12</td>
<td>No</td>
</tr>
</tbody>
</table>
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 angle 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-arc 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".

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 "Fen" 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 field work 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 FIELD WORK AND PERSONNEL

The field work 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 field work on Sheet "F" was done in December 1941, by C. A. Schoene under L. D. Graham as Chief of Party. The field work 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 buy hydrographic signals.

Respectfully submitted,

(S) Charles A. Schoene,

Charles A. Schoene,
Aid, C. & G. Survey

Approved and forwarded:

(S) Geo. L. Bean

Geo. L. Bean,
Chief of Party, C. & G. Survey,
Commanding Ship GUIDE

The present surveys "E", "F", & "G" have been compared with contemporary hydrographic surveys. No further review by the Hydrographic Survey Section is considered necessary at this time.

R.H. Carleton
31/30/47
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<tr>
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<th>Decisions</th>
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<td>Simmons Island</td>
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<td>Suisun Bay</td>
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\[\text{In this undeciphered line it is understood that approved}\]

\[\text{Marked: 1\,\text{30}\,\text{41}}\]
MEMORANDUM
IMMEDIATE ATTENTION

SURVEY DESCRIPTIVE REPORT

No. T

T6902a

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

Graphic Control

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.W. Knox

\[signature\]