

6902 a-b

Graphic Control

Diag. Chy. 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. **D E** Office No.

LOCALITY

State **California**

General locality **Suisun Bay**

Locality **A- Vicinity of Port Chicago**

B- Honkers Bay

1940-1

CHIEF OF PARTY

C.M. Thomas H.A. Cotton

LIBRARY & ARCHIVES

DATE **January 5, 1943**

B-1870-1 (1)

6902 a-b
Graphic Control

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
T6902a

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 Vicinity of Port Chicago
~~Point Edith to Middle Point~~

Scale 1:10,000 Date of survey December, 1940,
Jan. and Nov., 1941.

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

*Topographic features inked
in Washington Office*

Heights in feet above MLLW to ground ~~to tops of trees~~

Contour, Approximate contour, Form line interval -- feet

Instructions dated September 26, 1939

Remarks: Area covered by T-5943 (1941-42)

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

TOPOGRAPHIC TITLE SHEET

T6902 b

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 Graphic Control

REGISTER NO. T6902 b

State California

General locality Suisun Bay

Locality Honker Bay

Scale 1:10,000 Date of survey November, 1941

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

Chief of Party Harold A. Cotton

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

Inked by Washington Office
Left in pencilHeights in feet above MLLW to ground ~~to tops of trees~~

Contour Approximate contour Form line interval - - - feet

Instructions dated September 26, 1939

Supplemental Instructions in 1941

Remarks: This sheet used only for locating
signals

DESCRIPTIVE REPORT

to accompany

TOPOGRAPHIC SHEET

FIELD LETTER "D"

1940--41

Suisun Bay, California

*Topographic sheet "E"
used for location of
signals only. No report
necessary*

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 1939¹⁹⁴¹. The usual planetable 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 Port 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 declinoire No. 170. The error of this declinoire 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. ✓ shoreline inked before photo-compilation was made. EHC.

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.

Topographic features inked on receipt of survey by Washington office

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

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

Approved and forwarded:

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

The contemporary air photographic survey T-5943 (1941-42) covers the area of the present survey. No formal review of the present survey by the Hydrographic Surveys Section is considered necessary.

R. H. Carters
4/7/47

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.

T-4902-b T-68776 (1941)

T-68776 (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." Following is a list of triangulation stations on Sheet "E" located in 1940-41:

<u>Name of Station</u>	<u>Hydrographic Name</u>
CHEM - 1941	Chem Occupied
U.S.E.D. (Tripod)	Sed Intersection
Middle Ground I. Light	
Beacon No. 2	Mid Intersection
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 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-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".

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 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 but 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. Carstens

3/30/47

Remarks

Decisions

1		380220 USGB
2		380219
3		"
4		380220
5		" USGB
6		"
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GEOGRAPHIC NAMES

Survey No. T-6902ab

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		
	A	B	C	D	E	F	G	H		K
<u>Garnet Point</u> ✓										1
<u>Freeman Island</u> ✓										2
<u>Middle Point</u> ✓										3
<u>Point Buckler</u> ✓										4
<u>Port Chicago</u> ✓										5
<u>Preston Point</u> ✓										6
<u>Roe Island</u> ✓										7
<u>Ryer Island</u> ✓										8
<u>Seal Islands</u> ✓										9
<u>Simmons Island</u> ✓										10
<u>Suisun Bay</u>										11
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Checked and found in red approved
by L. Heck 1/30/43

MEMORANDUM

IMMEDIATE ATTENTION

SURVEY
DESCRIPTIVE REPORT
~~PHOTOGRAPH~~

~~XXXX~~

No. T

T6902 a

T6902 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.

ROUTE		Initial	Attention called to
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RETURN TO

82	R. W. Knox
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RWK