

7107 a & b

Diag. Cht. No. 5534-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey GRAPHIC CONTROL

BO-A-50

T-7107 a

Field No. BO-B-50

Office No. T-7107 b

LOCALITY

State CALIFORNIA

General locality SACRAMENTO AND SAN JOAQUIN
RIVERS.

Locality VICINITY OF ANTIOCH AND PITTSBURG.

1945

CHIEF OF PARTY

C. A. George

LIBRARY & ARCHIVES

DATE JANUARY 8, 1952.

B-1870-1 (1)

7107 a & b

FORM 537a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T - 7107A

TOPOGRAPHIC TITLE SHEET

FIELD NO. BO-A-50

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE California

GENERAL LOCALITY Sacramento River

LOCALITY Vicinity of Pittsburg

SCALE 1:10,000

DATE OF SURVEY May, 19 50

VESSEL USC & GSS BOWIE

CHIEF OF PARTY C. A. George

SURVEYED BY H. C. Applequist

INKED BY H. C. Applequist

HEIGHTS IN FEET ABOVE MHW OR ☐ TO GROUND ☐ TO TOPS OF TREES

CONTOUR APPROXIMATE CONTOUR FORM LINE INTERVAL FEET

OBJECT NUMBER CS - 256

REMARKS Graphic Control Sheet.

This Graphic Control Survey has been compared with contemporary Hydrographic Survey H-7797 (1950). No further review by the Hydrographic Surveys Section at this time is necessary.

*I. M. Zeskind
Oct. 7, 1952*

FORM 537a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T - 7107B

TOPOGRAPHIC TITLE SHEET

FIELD NO. BC-B-50

Each Planetable and Graphic Control Sheet should be accompanied by this form, completed so far as practicable, when forwarded to the Washington Office.

STATE

California

GENERAL LOCALITY

Sacramento and San Joaquin Rivers.

LOCALITY

Vicinity of Antioch.

SCALE

1:10,000

DATE OF SURVEY

June, 19 50

VESSEL

USC & GSS BOWIE

CHIEF OF PARTY

C. A. George

SURVEYED BY

H. C. Applequist

INKED BY

H. C. Applequist

HEIGHTS IN FEET ABOVE MHW OR

☐ TO GROUND

☐ TO TOPS OF TREES

CONTOUR

APPROXIMATE CONTOUR

FORM LINE INTERVAL FEET

OBJECT NUMBER

CS - 256

REMARKS

Graphic Control Sheet.

*This Graphic Control Survey has been compared
with contemporary hydrographic survey H-7797 (1950).
No further review by the Hydrographic Section
is necessary at this time.*

*I. M. Zeskind
Oct. 7, 1952*

DESCRIPTIVE REPORT TO ACCOMPANY
T-7107A T-7107B
GRAPHIC CONTROL SHEETS FIELD BO-A and B-50

Graphic control survey of Sacramento and San Joaquin Rivers in the vicinity of Pittsburgh, California on a scale of 1:10,000.

These two surveys are on opposite sides of a single aluminum mounted sheet.

A. PROJECT:

This survey was executed in accordance with the Director's Instructions dated 12 April 1949 and Supplemental Instructions dated 15 February 1950, Project CS - 256.

B. SURVEY LIMITS AND DATES:

This survey covers the Sacramento and San Joaquin Rivers between Longitude $121^{\circ} 48'$ and $121^{\circ} 56'$ with the exception of New York Slough. New York Slough was surveyed on Sheet BO-C-50 on a scale of 1:5,000.

Field work was done during the months of May and June, 1950.

C. CONTROL:

Control for this survey was furnished by triangulation executed by this party and by existing triangulation published in Vol. VII and Vol. XV, Geographic Positions. All Positions are on the N. A. 1927 Datum.

Three marked triangulation stations and 20 intersection stations were located by this party. The positions of previously located intersection stations such as tanks, etc., were checked by theodolite cuts.

D. SURVEY METHODS:

All signals were located by intersections from setups at triangulation stations and at points located by three point fixes. No traverses were run.

Topo Station MUG, Sheet BO-B-50, fell off the west end of the sheet. It was located by cuts from three setups on the sheet. These setups were transferred 30 seconds to the east and the position of MUG is shown in an insert. The setup positions as transferred are shown by broken setup symbols (squares).

Descriptive Report to accompany Sheet BO-A and B-50 (continued)

D. COMPARISON WITH PREVIOUS SURVEYS:

Planimetric Sheets T-5944 and T-5945 cover this area. The shoreline was transferred from these to the topographic sheets and left in pencil. Shoreline was rodged in at planetable setups and has been shown in ink. The agreement is good and the shoreline on the planimetric sheets appears adequate for charting purposes.

Objects in the vicinity of the Montezuma Slough Drawbridge appear to be erratically displaced on the planimetric sheets. The drawbridge was located by planetable in 1941 on Topographic Sheet GUIDE-G-41 and a description submitted on Form 524. The planetable position had been crossed out and a position obtained from the air photos substituted. The planetable position agreed very well with the triangulation position as obtained by this party in 1950. The airphoto position disagreed by 5 meters in latitude and 4 meters in longitude. The tank just to the northeast of the drawbridge was also located by triangulation and the position as scaled from the planimetric sheet differed from the triangulation position by about 7 meters in latitude and 0 meters in longitude.

There also appears to be some displacement of the northern end of the dredged channel at Collinsville in the vicinity of triangulation station CATTLE 1932.

E. LANDMARKS FOR CHARTS:

A separate report covers "Landmarks For Charts" and the information is not repeated in this report.

H. C. Applequist
H. C. Applequist,
Lieut. Cmdr. C&GS

Approved:

C. A. George

C. A. George,
Commander, C&GS,
Chief of Party

GEOGRAPHIC NAMES

Survey No. T-7107 a
T-7107 b

Name on Survey	A On Chart No.	B On previous survey No.	C On U. S. quadrangle Maps	D From local information	E On local Maps	F P. O. Guide or Map	G Rand McNally Atlas	H U. S. Light List	K
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