

7134

Original

Diag. Cht. No. 5534-2

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey Graphic Control

Field No. B0 - B - 49 Office No. T-7134

LOCALITY

State California

General locality Carquinez Strait-Suisun Bay

Locality Carquinez Bridge to Benicia Point

194 9

CHIEF OF PARTY

C. A. George

LIBRARY & ARCHIVES

DATE JUL 12 1951

8-1870-1 (1)

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FORM 597a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T - 7134

TOPOGRAPHIC TITLE SHEET

FIELD NO. BO-B-49

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

Carquinez Strait - Suisun Bay

LOCALITY

Carquinez Bridge to Benicia Point

SCALE

1:10,000

DATE OF SURVEY

June September, 19 49

VESSEL

Ship BOWIE

CHIEF OF PARTY

C. A. George

SURVEYED BY

H. W. Keith, Jr.

INKED BY

H. W. Keith, Jr.

HEIGHTS IN FEET ABOVE MHW OR

☐ TO GROUND

☐ TO TOPS OF TREES

CONTOUR

APPROXIMATE CONTOUR

FORM LINE INTERVAL FEET

PROJECT NUMBER

CS 256

REMARKS

Notes to Accompany
Graphic Control Sheet T-7134
Carquinez Strait

February 1950

Instructions dated 12 April 1949

The purpose of this survey was to verify control taken from planimetric maps, to establish additional hydrographic control, and to locate waterfront improvements and landmarks for charts.

CONTROL:

The existing control for this sheet consisted of the following triangulation stations:

VALLEJO, CARQUINEZ BRIDGE AVIATION BEACON, 1932
CROCKETT, C & H SUGAR CO. STACK, 1932
BUSH HILL, 1851
BUSH HILL ECCENTRIC, 1922
CARQUINEZ POINT 2, 1922
DOPE (USE), 1922
OZOL STACK, 1922
BENICIA, TANNERY TANK, 1922
BENICIA, 1922
NORTH SIDE, 1922
PACIFIC GAS & ELECTRIC CO. NORTH TRANSMISSION TOWER, 1922
TEG, 1938
VALLEJO 3, 1852

CROCKETT, C & H SUGAR CO. STACK, 1932 and PACIFIC GAS & ELECTRIC CO. NORTH TRANSMISSION TOWER were found to be of no use as control stations because of their large size.

BENICIA, TANNERY TANK, 1922, could be used by shooting the center pipe, although the tank itself was gone.

NORTH SIDE, 1922 had the station mark missing, but the position was utilized by setting up over the small (6" diameter) hole that the mark had been set in. A new station, NORTH SIDE 2, 1949, was established by triangulation at this same point.

An attempted setup at BENICIA, 1922 would not check the plotted position. A resection position was obtained over the disk and the R.M. position computed and plotted on the sheet, which checked the resection. A new station, BENICIA 2, 1949, was established by triangulation in this area and verified the fact that the triangulation disk previously recovered was the original reference mark.

Notes to accompany Sheet T-7134

METHODS:

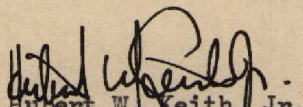
All of the work done on this sheet was done by planetable and alidade using conventional methods. Setups were made at triangulation stations and signals located by intersection; supplemented by setups over signals thus established or resection, and rod readings from these points to other signals.

Field work on this sheet was started by setting up at triangulation stations VALLEJO 3, BUSH HILL, CARQUINEZ POINT 2, DOPE, TEG, NORTH SIDE, and BENICIA, and taking cuts to signals. Additional setups were made at signals EVA, FIN, NIP, SAY, TAP, JOY, and DILL (located by topography only at that time), and taking additional cuts and rod readings to other signals. All signals had at least three cuts with good intersections, or a rod reading on them, before being considered adequately located.

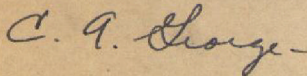
RECOVERABLE TOPOGRAPHIC STATIONS:

A list of the recoverable topographic stations is as follows:

JOY	CAL	DIG
ELM	FAN	GOB
INK	LAG	ODD
ZIP	QUO	OLE
IRA	LAM	HAY
LON	MAN	SAY (U.S.E.D. H.L. MON. 16)
BUM	LUB	


Hubert W. Keith, Jr.
Ens. U.S.C. & G.S.

Approved and forwarded:



C. A. George,
Chief of Party

This graphic control survey has been compared with contemporary hydrographic survey H-7785 (1949-50). No further review by the Hydrographic Surveys Section is necessary at this time.

*I.M. Zeskind
11-7-51*