

7133

Graphic Control

Diag. Cht. No. 5530-4

Form 504

U. S. COAST AND GEODETIC SURVEY

DEPARTMENT OF COMMERCE

DESCRIPTIVE REPORT

Type of Survey GRAPHIC CONTROL

Field No. BC-A-49 Office No. T-7133

LOCALITY

State CALIFORNIA

General locality CARQUINEZ STRAIT

Locality OLEUM TO VALONA

194 9

CHIEF OF PARTY

C. A. George

LIBRARY & ARCHIVES

DATE APRIL 24, 1951

B-1870-1 (1)

7133
Graphic Control

GEOGRAPHIC NAMES

Survey No. T-7133

Graphic Control

GEOGRAPHIC NAMES										
Survey No. T-7133										
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		
A	B	C	D	E	F	G	H	K		
										1
Carquinez Strait										2
Oleum										3
Valona										4
Sample Pt.										5
Mare Island										6
										7
										8
										9
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M 234

FORM 537a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T-7133

TOPOGRAPHIC TITLE SHEET

FIELD NO. BO-A-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

Oleum to Valona
~~West End, Carquinez Strait~~

SCALE

1:10,000

DATE OF SURVEY

May

August

, 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

Partly applied to H-7899(1951) - Aug

Notes to Accompany

Graphic Control Sheet T-7133

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 triangulations stations:

LONE TREE POINT IRON ROD, 1903
RODEO, UNION OIL CO. STACK, 1932
CONCRETE STACK, 1938
TORMEY, 1929
GREAT WESTERN POWER CO. SOUTH TRANSMISSION TOWER, 1922
GREAT WESTERN POWER CO. NORTH TRANSMISSION TOWER, 1922
VALLEJO, CARQUINEZ BRIDGE AVIATION BEACON, 1932
VALLEJO 3, 1852
CARQUINEZ STRAIT LIGHTHOUSE, 1911
SPERRY FLOUR COMPANY, WATER TANK, 1932
MARE ISLAND S.E., 1852

GREAT WESTERN POWER CO. NORTH & SOUTH TRANSMISSION TOWERS were found to be of no use as control station because of their large size and non-symmetric construction.

During the course of the work it was found necessary to establish two additional control stations, AMSCO, 1949, and the marked topographic station BEND. AMSCO, 1949 was located by a single triangle from MARE ISLAND S.E. and VALLEJO 3, all three angles observed with a 7" repeating theodolite using one set of 6D.&R. BEND was established with a single concluded triangle from VALLEJO 3 and AMSCO using one set of 6 D.&R. with a 7" repeating theodolite, and verifying by topographic resection before using it as a control station.

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 reading from these points to shoreline and other signals. It was evident that numerous changes in waterfront improvements had occurred in the interval between the date of the photographs and the date of the field work; and it was deemed more practicable to relocate all control by standard topographic methods, since this would entail very little additional work.

Notes to accompany Sheet T-7133 (continued)

Field work on this sheet was started by setting up at triangulation stations LONE TREE POINT, IRON ROD, VALLEJO 3, MARE ISLAND S.E., and AMSCO, and topographic station BEND, and taking cuts to signals. Setups were then made at signals FAG and ACE, and additional cuts taken. Resection setups were made at Oleum and Mare Island South End Wharf; and in the vicinity of the California Maritime School, and the yacht harbor at Crockett to rod in the changes in the piers and shoreline; and to furnish additional cuts 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:

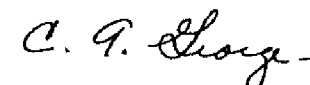
A list of the recoverable topographic stations is as follows:

BEND (marked)	BIG	MOP
ACT	CAD	DUB
BAD	ELL	CAB
CAR	GAM	BAT
DAN	HOG	WET
FAT	ICE	SAW
GIN	JIG	OAK
HAG	KAY	NAB
MAL	LOG	KID
JAM	LAY	MAR
ABE	BAR	

P.G.&E. NORTH TRANSMISSION TOWER
P.G.&E. SOUTH TRANSMISSION TOWER
NORTH END STACK, LINE OF SIX
SOUTH END STACK, LINE OF SIX
BLACK STANDPIPE (Mare Island)
ELEVATED TANK (Mare Island)
NORTH TANK (Mare Island)
SOUTH TANK (Mare Island)


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

Approved and forwarded:



C. A. George,
Chief of Party

DIVISION OF CHARTS

REVIEW SECTION - NAUTICAL CHART BRANCH

REVIEW OF TOPOGRAPHIC SURVEY

REGISTRY NO. T-7133

FIELD NO. BO-A-49

California, Carquinez Strait, Oleum to Valona

Instructions dated 12 April 1949

Surveyed in May - August, 1949

Scale 1:10,000

Graphic Control

Aluminum Mounted

Chief of Party - C. A. George
Surveyed by - H. W. Keith, Jr.
Inked by - H. W. Keith, Jr.
Reviewed by - I. M. Zeskind, 6 December 1951
Inspected by - R. H. Carstens

1. This graphic control survey was made to provide control for hydrographic survey H-7785 (1949-50), to locate landmarks and to show revisions to shoreline detail.
2. The shoreline detail revisions have been incorporated in the topography transferred to hydrographic survey H-7785 from air-photographic surveys T-5931 (1943-44) and T-5941 (1941). The pier delineation at Oleum is the same on the present survey and T-5931.
3. The shoreline detail revisions have not been applied to Chart 5534 (Latest print date 3-9-51).
4. No observations were made for magnetic declination.

I. M. Zeskind

November 8, 1951

Inspected by: R. H. Carstens

NAUTICAL CHARTS BRANCH

SURVEY NO. T.7133

Record of Application to Charts

[illegible]

M-2168-1

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart. Give reasons for deviations, if any, from recommendations made under "Comparison with Charts" in the Review.