

7090

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. BO - A - 51 Office No. T-7090

LOCALITY

State CALIFORNIA

General locality SAN FRANCISCO BAY

Locality POINT SAN QUENTIN TO CALIFORNIA PT.

194 51

CHIEF OF PARTY

R. C. Bolstad

LIBRARY & ARCHIVES

DATE MAR 12 1953

FORM 537a
(9-24-47)

DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

REGISTER NO. T -

TOPOGRAPHIC TITLE SHEET

FIELD NO. BU-A-51

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

SAN FRANCISCO BAY

LOCALITY

POINT SAN QUENTIN TO CALIFORNIA POINT

SCALE

1: 10,000

DATE OF SURVEY

April, 1951

VESSEL

U. S. C. & G. S. S. BOWIE

CHIEF OF PARTY

R. C. Bolstad

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

PROJECT NUMBER

CS - 256

REMARKS

GRAPHIC CONTROL SHEET

DESCRIPTIVE REPORT
to accompany
GRAPHIC CONTROL SHEET BO-A-51

Graphic control survey of the area between California Point and Point San Quentin, San Francisco Bay, California, on a Scale of 1:10,000.

A. PROJECT: This survey was executed in accordance with the Director's Instructions dated 16 November 1940, Supplemental Instructions dated 24 April 1947 and 3 April 1951, Project CS-256.

B. SURVEY LIMITS AND DATES: This survey covers the area between California Point and Point San Quentin.
Field work was done during the month of April 1951.

C. CONTROL: Control for this survey was furnished by existing triangulation published in Vol. VII, Geographic Positions, California, supplemented by three intersection stations located by this party. All positions are on the N.A. 1927 Datum.

D. SURVEY METHODS: All signals were located by cuts from setups at triangulation stations, points located by three point fixes and at setups on a combination resection, three point fix, and traverse. No closed traverse was run.

E. COMPARISON WITH PREVIOUS SURVEYS: Planimetric Sheet T-5929 covers this area. Apparently the field inspection or interpretation of the control was in error as the positions of identifiable points in the San Quentin area on the planimetric sheet were too far to the east and in most cases too far north. The detail had been transferred to the topographic sheet and when this discrepancy was discovered, three objects, two guard towers and a tall brick stack, were located by theodolite cuts. Their positions agreed with those of the ~~topographic~~ ^{Graphic Control} sheet. The detail from the planimetric sheet was then adjusted to these positions and retransferred to the ~~topographic~~ ^{Graphic Control} sheet where it has been left in pencil. The shoreline seemed to fit properly after this adjustment had been made. In the vicinity of California Point the shoreline was not misplaced but changes had occurred and the entire shoreline was ~~not~~ rodged in and inked on the sheet.

Shore-
line ad-
justed on
H-7897
(1951).

F. MISCELLANEOUS: Just west of the southernmost point of San Quentin a fill is in process of construction. The work is being done by prison labor and it is planned to eventually extend it to the edge of the channel. The approximate present limits are shown by a broken line.

Most of the stakes shown on this sheet are not of very permanent nature and probably should not be charted. The duck blinds are on piling and are a little more permanent.

DESCRIPTIVE REPORT TO ACCOMPANY GRAPHIC CONTROL SHEET BO-A-51 (Cont'd)

SUBMITTED:

H.C. Applequist
H.C. Applequist
Lieut. Commander, USC&GS

APPROVED:

Roswell C. Bolstad
Roswell C. Bolstad
Commander, USC&GS
Commanding Officer
Ship BOWIE

DESCRIBED RECOVERABLE TOGRAPHIC STATIONS

LATITUDE SECONDS
STATION LONGITUDE IN METERS

ORA 37 56 997
 122 28 1171

TAN 37 56 877
 122 29 25

MUG 37 56 741
 122 29 ~~651~~

HUT 37 56 525
 122 29 651

GEO 37 56 661
 122 29 844

IVY 37 56 1554
 122 30 675

CAT 37 56 920
 122 30 396

EVA 37 56 541
 122 30 506

GAS 37 56 302
 122 30 543

LATITUDE SECONDS
STATION LONGITUDE IN METERS

ACE 37 56 78
 122 30 580

IDA 37 55 1687
 122 30 617

FRY 37 55 1048
 122 30 726

QUO 37 55 800
 122 30 969

BIG 37 55 537
 122 29 1187

KID 37 55 457
 122 29 298

NUT 37 55 337
 122 28 1367

OWL 37 55 160
 122 28 1217

POT 37 54 1655
 122 28 898

*231 from T-7090
and Form 524
G.B.W.*

Review of Graphic Control Survey T-7090 (1951)

The discrepancies noted in paragraph E of the Descriptive Report were investigated in the Division of Photogrammetry where it was found that the shoreline and signals in the San Quentin area on survey T-5929 (1941-44) were in error. Corrections to survey T-5929 will be made in the Division of Photogrammetry.

The shoreline transferred to hydrographic survey H-7897 (1951) in this area is the shoreline from survey T-5929 adjusted to signals and topographic details determined on the present survey.

The shoreline revisions and additional topographic detail from the present survey has been transferred to survey H-7897.

I. M. Zeskind

Inspected by R. H. Carstens
10-2-53