DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY
K.S. Patton, Director

State: California

DESCRIPTIVE REPORT

Sheet No. 4648

LOCALITY
San Francisco Bay
Dumbarton Point to Coyote Hill Slough

1932

CHIEF OF PARTY
O.S. Reading
Descriptive Report
Sheet No. T-4648,
San Francisco Bay
Dumbarton Point to Coyote Hill Slough

This sheet is a compilation of five-lens air photographs taken by the Army Air Corps. It is compiled from two separate flights, the "D" and "W" flights.

CONTROL

Triangulation stations used to control this sheet were established by field parties in 1925, 1930, and 1931. No supplementary control traverses were available for this sheet.

COMPILATIONS

The projection was made on celluloid to the scale of the photographs of flight D, which was 0.90 x 10,000. Flight W had a scale factor of 0.98. The plot was made directly from the pictures. In order to trace the detail from flight "W", however, photostats were made of alternate pictures from which the tracing was done.

Some difficulty was experienced in locating points underground between the centers of the two flights, the intersections in a good many cases overlapping rather than coinciding in a direction transverse to the direction of the flight. In these instances a point was taken between the overlapping intersections a proportionate distance from the centers of the two flights. A check with nearby triangulation stations in some cases showed no appreciable error, and it is believed that the plot is well within the limits of accuracy.

A check on the accuracy of the plot was furnished by the triangulation station White Tank, Holly Sugar Co., 1931. The plot showed this station (a no-check station) to be in error, and a field check on the station by Lieutenant Raynor gave a new position of the station which agreed with the one obtained from the plot.

Difficulty was found in identifying buildings in the neighborhood of the Morton Salt Company on the southeastern part of the sheet, and so these buildings were not traced on the sheet, the omission being indicated thereon.

Portions of topographic sheet No. 4626 and 4604 were compared with the plot and tracing. No appreciable discrepancies were found.

SYMBOLS

The standard topographic symbols were used.

Respectfully submitted,

Julian H. Wulbern,
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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 Letter

REGISTER NO. T-4648

State...California

General locality...San Francisco Bay

Locality...Dumbarton Point to Coyote H. Slough

Scale...1:10,000 Date of survey...Nov., 1931-May., 1932

Vessel...Army Air Corps Plane

Chief of Party...O. S. Reading

Surveyed by...J. H. Wulbern

Inked by...J. H. Wulbern

Heights in feet above...to ground...to tops of trees

Contour Approximate contour Form line interval...feet

Instructions dated...19

Remarks...This sheet is a compilation by the radial line method of 5-lens aerial photographs, Nos. W-1 to W-23 and D-23 to D-38, taken May 2, 1931, reduced to 1:10,000 and printed by photo-lithographic process.

APPROVED

K. T. Adams
FIELD RECORDS (Q)

Chief, Section Field Work

L. O. Colbert
Chief, Division of Charts

Chief, Div. of Hy'dy and Top'y