

4647

U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, *Director*

State: California.

DESCRIPTIVE REPORT

Photo-
Topographic } Sheet No. 4647.
Hydrographic }

LOCALITY

San Francisco Bay

Calaveras Point to

Green Point Landing .

1931.

CHIEF OF PARTY

O. S. Reading.

Descriptive Report
Sheet No. T-4647

This sheet is a compilation of one successive group of five lens photographs taken by the Army Air Corps, May 2, 1931. The flight was made in a westerly direction denoted as the "Z" flight and consists of photographs Z-1 to Z-23, inclusive. (Plane - Fairchild; pilot - Lieutenant Wallace; altitude - 5000 feet; camera - Type T-3-A, No. 30-1.)

Limits

On the northwest this sheet joins sheet No. 4648; on the south, sheet No. 4646. Other limits ~~are~~ ^{are} shown ~~as~~ ^{to which} the limits of the photographs could be accurately plotted.

Control

The triangulation stations used to control this sheet were established by W. Musetter in 1925 and by G. C. Jones in 1931. No supplementary control was used.

Compilation

The projection was made upon celluloid to the average scale of the photographs. The average scale factor as determined from the preliminary radial plot is 1.01. The shoreline of topographic sheet No. 4626 was transferred and used as a guide when the photographs were plotted. No appreciable differences from sheet No. 4626 were noted in making the photographic plot.

All triangulation stations were plotted. Station "Goose", however, could not be identified on the photographs upon which it occurred without a considerable error and its plotted position on these photographs is questionable. Consequently, when the radial plot was made, this station was not rigidly held to.

In general no difficulty was experienced in sketching or tracing the detail from the photographs. Due to considerable tilt present in photographs No. 14, 15, and 16, it was necessary to make a photostat of No. 15, corrected for tilt.

Symbols

Standard topographic symbols were used. No distinction was made between grassland or pasture areas and those designated as reclaimed marsh.

Respectfully submitted,

Leonard A. McGann,
Leonard A. McGann,
Jr. Engr., C. & G. Survey.

APPROVED:

O. S. Reading,
O. S. Reading,
Chief of Party.

APPROVED

K. T. Adams
FIELD RECORDS (C)

Frank S. Borden
Chief, Section Field Work

L. O. Colbalt
Chief, Division of Charts

G. H. Hude
Chief, Div. of Hyd'y and Ton'y

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REG. NO. 4647

TOPOGRAPHIC TITLE SHEET

Air Photo

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. _____

REGISTER NO. T-4647

State California

General locality San Francisco Bay

Locality Calaveras Point to Green Pt. Landing

Scale 1:10,000 Photos taken May 2, 1931 at 2:30 P.M., 1931
~~Date of survey~~

Airplane _____

Vessel Army Air Corps Plane

Chief of Party O. S. Reading

Surveyed by L.A. McGann

Inked by L.A.M.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 1931

Remarks: This sheet - Compilation of 5 lens air photographs,

No. Z₁ to Z₂₃ incl., printed by photolithographic process.