

4644a 4644b

Form 504  
Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director

U. S. COAST AND GEODETIC SURVEY  
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JUL 22 1932

State: California

Acc. No.

DESCRIPTIVE REPORT

Photo

Topographic

Hydrographic

Sheet No. 4644<sup>a</sup>  
4644<sup>b</sup>

LOCALITY

California

San Francisco Bay

Jagels Slough to Dumbarton

Highway Bridge

19 31

CHIEF OF PARTY

O. S. Reading

Descriptive Report to Accompany  
Sheet No. T-4644.

This sheet is a compilation of five lens air photographs taken by the Army Air Corps. It is compiled from four separate flights, the "A", "P", "AA" and "XX" flights. Of the "A" flight photographs, A<sub>35</sub> to A<sub>41</sub> were included within the boundaries of the sheet; P<sub>49</sub> to P<sub>57</sub>; AA<sub>7</sub> to AA<sub>11</sub>; and XX<sub>1</sub> to XX<sub>7</sub>. (Plane - O-25, pilot - Lieutenant Wallace, approximate altitude - 5000 feet, camera - type T-3-A, No. 30-1.)

Control

Triangulation stations used to control this sheet were established by field parties in 1925, 1930 and 1931. Two supplementary control traverses made by Lieutenant M. H. Reese were also used for control purposes. The one begins at Station "Platform" and ends at Station "Flagpole". The other begins at Station "View" and ends at a three point fix called "H". The stations of these traverses are marked by letters as shown on the sheet.

Compilation

The projection was made upon celluloid to the average scale of the photographs of flights "A" and "XX". The average scale factor as determined from the preliminary radial plot of the photographs is 0.936. In order to plot the detail from the "P" photographs, photostat copies of these photographs were made, corrected for scale. The scale factor of this flight is 1:03.

Use was made of portions of topographic sheets No. 4606 and 4626 when the shoreline was transferred from it. This transferred line was used as a guide when the shoreline was traced from the photographs. At station "T. T. Line Bend West of Mountain View Slough" the shoreline was changed to that traced on the field photographs by Lieutenant M. H. Reese. In this locality two lines of shore appear on the photograph. It is probable that the broken line represents the limits of vegetation. At the entrance to Whisman Slough two lines are also shown. In this latter locality the shoreline of topographic sheet No. 4626 was held to. It is probable that the broken line here represents the limits of vegetation.

Difficulty was experienced in plotting the detail from station "Mast, South of Cooley's Landing", south to the edge of the sheet, due to poor overlap of the photographs "A" and "P" with the "XX" photographs. At the eastern edge of the sheet in the area marked "Naval Air Base Site" difficulty in plotting was encountered, too, due to a lack of any overlap of centers of flight "XX" with "X" which was used in plotting the adjoining sheet No. 4646.

Symbols

Standard topographic symbols were used. No symbol distinction

was made for grassland areas and reclaimed marsh areas.

References

The Sanborn Maps of the city of Palo Alto were used as reference in naming the streets of this city.

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)

*B. Borden*  
Chief, Section Field Work

*L. O. Polbatt*  
Chief, Division of Charts

*G. W. Hude*  
Chief, Div. of Hyd'y and Top'y

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

46442

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 No. \_\_\_\_\_

REGISTER NO. 46442

State California

General locality San Francisco Bay

Locality Dumbarton Bridge to Charleston Slough

Scale 1:10,000 Photos taken Date of survey Apr. 29 and May 8, 1923

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 \_\_\_\_\_, 192

Remarks: This sheet, compilation of 5 lens air photographs  
printed by photolithographic process

DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO. 464410

TOPOGRAPHIC TITLE SHEET  
Air Photo

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

Field No. ....

REGISTER NO. T-4644<sup>b</sup>

State California .....

General locality San Francisco Bay .....

Charleston Slough to Jagel Slough

Locality Jagel Slough to Dumbarton Highway Bridge. .....

Photos taken April 29, and

Scale 1:10,000 ..... Date of survey May 8 ....., 1931

Vessel Army Air Corps Plane .....

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

Surveyed by L. A. McGann .....

Inked by L. A. McGann .....

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

Contour, Approximate contour, Form line interval ..... feet

Instructions dated ....., 19.....

Remarks: This sheet, compilation of 5 lens air photographs,

printed by photolithographic process. .....