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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

Topographic
~~*Hydrographic*~~

Sheet No. T-5019.

LOCALITY

Sacramento River.

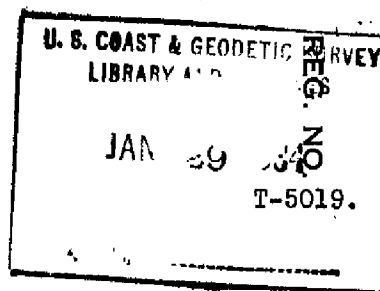
Vorden to Western Pacific Railroad.

19 33.

CHIEF OF PARTY

M. H. Reese.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



AIR PHOTO 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. 21

REGISTER NO. T-5019.

State California.

General locality Sacramento River.

Locality Vorden to Western Pacific Railroad.

Date of photographs December 15, 1931.
Scale 1:10,000 Date of ^{Compilation} ~~survey~~ May 12, 1933.

Lieut. J. F. Phillips, Pilot.

~~Vorden~~ Army Air Corps FIA Airplane, Capt. A. W. Stevens, Photographer.

Reviewed and recommended for approval

Chief of ~~party~~ ^{Compilation} M.H. Reese, June, 1, 1933.

Photographs plotted by

~~Surveyed by~~ M.H. Reese, April 10, 1933.

Inked by P.A. Kelly P.A. Kelly, May 12, 1933.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 15, _____, 1932.

Remarks: Compilation of aerial photographs Nos. SS. 166-180, SS. 244-260, SS. 263-276. Reduced to scale and printed by photo lithographic process.

Polyconic projection by E.L. Fitch E.L. Fitch, Apr. 3, 1933.

Projection verified by M.H. Reese, Apr. 3, 1933.

Control plotted by E.L. Fitch, Apr. 4, 1933.

Control verified by M. H. Reese, Apr. 4, 1933.

Descriptive Report to Accompany
Air-photo Topographic Sheet T-5019.

See Descriptive Report T-4685 for general report of Field Inspection

General Information:

a. Date of Instructions - November 15, 1932.

b. Sheet data-

Projection by	E. L. F. April 3, 1933.
Projection checked by	M. H. R. April 3, 1933.
Control plotted by	E. L. F. April 4, 1933.
Control checked by	M. H. R. April 4, 1933.
Radial line plot by	M. H. R. April 6-10, 1933.
Drafting of photographs by	P. A. K. Apr. 11-May 12, 1933.

c. Statistics-

Area of sheet: 22.5 sq. statute miles.
Shoreline of Rivers and Sloughs less than 300 meters
wide: 38.2 statute miles.

d. Reports affecting sheet-

U. S. Engineer blueprints of the Sacramento River
filed in the Chart Section. The blueprints were
used in conjunction with the notes on the photo-
graphs to correctly interpret the detail shown
on the photographs. The field party's notes were
complete along the Sacramento River. The notes
were followed in drawing the shoreline of the
rivers and sloughs.
The area covered by this sheet consists of
cultivated fields, orchards, marshes, and grass
lands. The orchards are confined to the areas
along the Sacramento River. In the northeast corner
of the sheet the area covered is mostly grass lands,
while in the southeast part the area is marshy.

e. Numbers, time, and date of flights-

SS. 166 - 180 1:20 P. M., Dec. 15, 1931.
SS. 244 - 260 1:30 P. M., Dec. 15, 1931.
SS. 263 - 276 1:50 P. M., Dec. 15, 1931.

Control:

a. Sources-

1. First Order Triangulation by John Bowie, 1931.
Adjusted to N. A. Datum 1927.
2. Three point fixes and intersection points by
L. P. Raynor, 1933. Computed on N. A. Datum 1927.
3. U. S. Engineer stations reduced to geographical
coordinates by L. P. Raynor, 1933.

Compilation:

a. Method used-

The radial line plot as applied to five lens photographs was used throughout the sheet.

b. Junctions with adjoining sheets-

Satisfactory junctions were obtained with Sheets T-5002, T-5003, T-5018, and T-5019.

Landmarks:

Landmarks for the sheet were submitted by the field party. Additional objects located by the compilation party are submitted on Form 567.



M. H. Reese,
Lieut.(j.g.), C. & G. Survey.

Survey No. T-5019
H-6008

GEOGRAPHIC NAMES

Date. Jan. 25, 1935.

Chart No. _____

Names approved Jan. 26, 1935.

Diagram No. _____

*, Approved by the Division of Geographic Names, Department of Interior.

~~C~~, Not Approved by the Division of Geographic Names, Department of Interior.

R, Referred to the Division of Geographic Names, Department of Interior.

~~Geometric Name Standard T-5019.~~

[illegible]

5019a

DESCRIPTIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET NO. 5019-A
(to be included in report for T-5019)

U. S. COAST & GEODETIC SURVEY
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FEB 14 1935

Acc. No. _____

Vorden to Western Pacific Railroad, Sacramento River,
California.

This sheet contains corrections (shown in red) to the original
survey of this area.

Sources of Information: Sheets #12a, April 19, 1934; #32a, May 1, 1934;
and #66, Air Photo Section files; letters #5 and #12 Air Photo Section
files; hydrographic survey #6008.

Compilations: The hydrographic survey furnished the bridge clearances
and a small shore-line correction. The boat sheet furnished the name
"Consummes River". Attention was called to the fact that five tri-
angulation stations were omitted from the compilation*. These stations
were plotted. An examination of the celluloid indicated that these
stations were used in the plot.

Sheet #66 consisted of additional geographic names.

Plane table revision sheets 12a and 32a were applied by *D. H. Benson*
and checked by *Frank G. Erskine*. Several signals for hydrographic con-
trol were located on these two revision surveys. Letters #5 and #12
are the corresponding descriptive reports.

Respectfully submitted,

Frank G. Erskine

Frank G. Erskine.

November 16, 1934.

L. O. Solow
Chief, Division of Charts

G. H. Hude
Chief, Division of H&T

K. T. Adams
Asst Chief - Division of Charts

T. S. Bondin
Chief, Section of Field Work

NAMES: There are no charts covering the area of this project except chart 5534 at the junction of the Sacramento and San Joaquin Rivers. The following maps files as Blueprints were furnished by the field party with corrections made from field examination to show the names in local use and have been used in making the corrections to compilations on this project.

Capt. Weathers Map (1931) NF.-25708

U.S.G.S. Quadrangles-- NFs.- 25702 to 25707

(see also chart letter No. 698 (1932))

Name lists are now being prepared under Mr. Bacon's direction and will be attached at the back of the descriptive reports when completed. Any changes in names indicated by the name lists will be applied to the compilations at the next printing.

November 26, 1934.

Frank G. Kusine

*Applied to drawing of Chart 5528
Feb. 27, 1935 - J.F.W.*