

5011
5011a

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

3 1933

Acc. No.

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. ~~5011~~ 5011

LOCALITY

North of Stockton

Bishop Cut.

5011a

San Joaquin River Valley
Junction Bishop Cut and
White Slough

1933.

CHIEF OF PARTY

M. H. Reese.

U. S. GOVERNMENT PRINTING OFFICE: 1921

T5011 applied to drawing of Chart 5527

Apr. 15, 1935 - JFW

T5011a applied to drawing of Chart 5527

May 16, 1935 - JFW

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO. 5011

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.

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES
JUN 9 1933
Acc. No. _____

Field No. 11.

REGISTER NO. 5011

State California.

General locality North of Stockton.

Locality Bishop Cut.

Scale 1:10,000 Date of survey December 12 & 16, 1931.

~~Horizontal~~ Photographs by U. S. Army Air Corps.

Chief of party M. H. Reese.

~~Supervising~~ Field Inspection by L. P. Raynor.

Inked by S. E. Sperry Jr.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 15, 1932.

Remarks: The scale of the celluloid sheet is 1:10,000 and

the negative is to be made to that scale.

...

Projection by S. E. Sperry Jr. Dec., 28, 1932
Projection verified by M. H. Reese Dec., 28, 1932
Control verified by S. E. S. Dec 28, 1932
Control verified by T. L. T. Dec 29, 1932
Photographs plotted by S. E. S. Dec 30, 1932 - Jan 9, 1933
Sheet inked by S. E. S. Jan 9 - Feb 2, 1933

Descriptive Report to Accompany
Air-Photo Topo. Sheet No. ~~11~~ 5011

See Descriptive Report T-4685 for general report of field inspection

Authority: The Director's Instructions of November 15, 1932.

Methods:-

Sheet No. 11 was compiled from five lens photographs taken by the U. S. Army Air Corps. In general the photographs are very good. A number of the pictures were taken during the day when shadows were of considerable length and this has caused the draftsman some confusion. There is less than 50 percent of overlap in the direction of flight in about 30 or 40 percent of the pictures. With this minimum overlap it is more difficult to obtain the required accuracy than with the proper amount of overlap. The flight lines on the sheet are excellent, and this compensates somewhat for the minimum overlap. The tilt in the pictures is probably at a minimum.


The Radial Line Method as described by W. J. Chovan was used in the Compilations with amendments to fit the five lens photographs

The Control on this sheet is four three-point fixes and a traverse along the Western Pacific Railroad. Several stations that fall outside the limits of the sheet were utilized in the compilation. There are no permanently marked triangulation stations on the sheet hence no point for datum reference.

The drafting on the sheet is average and as far as can be ascertained is correct within the plottable error on 1:10,000 scale. Very good junctions were obtained with adjoining sheets. The showing of culture with topographic symbols was kept to a minimum.

Statistics:

Area of sheet = 19.33 sq. mi. (Nautical) = 22.22 sq. mi. (Statute).

Photo number

M. H. Reese,
Chief of Party, C. & G. Survey.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

AIR PHOTO COMPILATION CORRECTION
TOPOGRAPHIC TITLE SHEET

REG. NO.

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. 11

REGISTER NO. 5011A 5011a

State California

General locality San Joaquin River Valley

Locality Junction of Bishop Cut and White Slough

Scale 1:10,000 Date of survey _____, 192

Vessel _____

Chief of Party F. G. Erskine

Surveyed by _____

Inked by _____

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 192

Remarks: _____

DESCRIPTIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET NO. 5011 A
(to be included in report of T-5011)

Junction of Bishop Cut and White Slough, San Joaquin River
Valley, California.

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

Sources of Information:

Hydrographic survey No. 6012; chart letter No. 168
(1933); sheet No. 73 Air Photo Section files; T-5010 A.

Compilation:

Sheet 5010 A (a complete replot from the photographs)
indicated several errors in the junction with this sheet.
These errors were corrected.

Sheet No. 73 supplied a few additional names in the
southwest corner of the sheet.

H-6012 gave a shoreline change in Bishop Cut about a
half a mile north of Telephone Cut. Positions were given
for the two wooden poles supporting the cable over Telephone
Cut at Bishop Cut and also the clearance of this overhead
cable in the hydrographic survey. Chart letter 108 (1933)
also gave a location for the north wooden pole. The two
positions disagreed by \pm 3 meters in latitude.

The north pole was plotted on the original sheet and
since it checked the chart letter location (theodolite 3 pt.
fix) it was not changed.

The title of this sheet was changed from "North of

Stockton, Bishop Cut" to "San Joaquin River Valley, Junction
of Bishop Cut and White Slough".

Respectfully submitted,

Frank G. Erskine

Frank G. Erskine.

October 16, 1934.

Approved
K.T. Adams
Asst Chief - Chart Division

L.O. Colburn
Chief, Division of Charts

W.S. Borden
Chief, Section of Field Work

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

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 filed 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. Leathers Map (1931) - BP. - 25708

U.S.C.S. Quadrangle -- HPa. - 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. Evkine