

5013

U. S. COAST & GEODETIC SURVEY
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DEC 4 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 } Sheet No. T-5013 5013
Hydrographic }

LOCALITY

Sacramento River Valley.

Georgiana Slough to Hog Slough.

1933.

CHIEF OF PARTY

M. H. Reese.

5013

Applied to drawing of Chart 5527

Jan. 17, 1935 - J.W.

Descriptive Report to Accompany
Air-photo Topographic Sheet T-5013.

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 S. E. S. Feb. 16, 1933.
 - Projection checked by M. H. R. Feb. 16, 1933.
 - Control plotted by S. E. S. Feb. 17, 1933.
 - Control checked by M. H. R. Feb. 17, 1933.
 - Radial line plot by S. E. S. March 1-6, 1933.
 - Drafting of Photographs by S. E. S. March 9-Apr. 17, 1933.
- c. Statistics-
 - Area of sheet; 24.3 sq. statute miles.
 - Shoreline of Rivers and Sloughs less than 300 meters wide; 41.0 statute miles.
- d. Reports affecting sheet-

The information shown on the sheet is from notes made on the photographs by the field inspection party. The notes made by the field party were complete and the interpretation of the photographs was very good.
- e. Numbers, time, and date, of photographic flights-
 - SS. 414 - 430, 10:40 A. M., Dec. 15, 1931.
 - SS. 452 - 469, 10:50 A. M., Dec. 15, 1931.
 - SS. 362 - 380, 10:00 A. M., Dec. 15, 1931.

Control:

Sources-

Three point fixes and intersection points by L. P. Raynor, 1933. The computations are on the N. A. Datum 1927.

Compilation:

- a. Method used-

The radial line plot as applied to five lens photographs was used throughout the sheet.
- b. Information from other sources-

The names of the Sloughs were taken from the U. S. Geological Survey sheets.
- c. Junctions with adjoining sheets-

Satisfactory junctions were obtained with Sheets T-5002, T-5018, and T-5010.

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.
T-5013.
5013

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. 13

REGISTER NO. T-5013.

State California.

General locality Sacramento River Valley.

Locality Georgiana Slough to Hog Slough.

Date of Photographs- December 15, 1931.
Scale 1:10,000 Date of ~~Survey~~ ^{Compilation} April 17, 1933.

~~United Army Air Corps F1A airplane.~~ Lieut. J. F. Phillips, Pilot.
Capt. A. W. Stevens, Photographer.
Reviewed and recommended for approval

Chief of ~~party~~ ^{Compilation} M.H. Reese, May 26, 1933.

Photographs plotted by S.E. Sperry, March 6, 1933.
~~Successor by~~

Inked by S.E. Sperry, April 17, 1933.

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

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

Instructions dated November 15, 1932., 19.....

Remarks: Compilation of aerial photographs Nos. SS. 414-450, SS.

452-469, SS. 362-380. Reduced to scale and printed by photo-lithographic process.

Polyconic projection by S.E. Sperry Jr., Feb. 16, 1933.

Projection verified by M.H. Reese, Feb. 16, 1933.

Control plotted by S.E. Sperry, Jr., Feb. 17, 1933.

Control verified by M.H. Reese, Feb. 17, 1933.

REVIEW OF TOPOGRAPHIC SURVEY No. 5013

Title (Par. 56) *Georgiana Slough to Hog Slough, Sacramento River Valley, Cal.*Chief of Party *M. H. Reese* ^{Photos plotted} Surveyed by *S. E. Sperry* Inked by *S. E. Sperry* ^{Plates Photos} *Dec. 15, 1931**Army Air Corps FIA airplane*
~~Ship~~Instructions dated *Nov. 15, 1932* ~~Surveyed in~~ *Charty compilation April 17, 1933*

1. ✓ The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 7, 8, 9, 13, 16.)
2. ✓ The character and scope of the survey satisfy the instructions.
3. ✓ The control and ~~closures of traverses~~ ^{adjustments to gradual part} were adequate. (Par. 12, 29.)
4. ~~The amount of vertical control that the Manual specifies for contours from lines was accomplished. (Par. 18, 19, 20, 21, 22, 23.)~~
5. ~~The delineation of contours from lines is satisfactory. (Par. 49, 50.)~~
6. ~~There is sufficient control on maps from other sources that were transmitted by the field party to enable their application to the charts. (Par. 28.)~~
7. ✓ High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)
8. ✓ The representation of ^{tide islands} ~~low water lines, reefs, coral reefs and rocks,~~ and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)
9. ✓ Rocks and other important details shown on previous surveys and on the chart were verified. (Par. 25, 26, 27.) *There are no previous Coast Survey charts.*
10. ~~The span, draw and clearance of bridges are shown. (Par. 16c.)~~
11. ~~Locations and elevations of summits are given. (Par. 19, 51.)~~
12. ~~The tree line was shown on mountains. (Par. 16g.)~~

NOTE: Strike out paragraphs, words or phrases not applicable and modify those requiring it. Paragraph numbers refer to those in the Topographic Manual. Use reverse side for extending remarks.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

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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.

5013

Field No. 13

REGISTER NO. T-5013.

State California

General locality Sacramento River Valley

Locality Georgiana Slough to Hog Slough

Date of Photographs- December 15, 1931.
Scale 1:10,000 Date of ~~Survey~~ Compilation April 17, 1933.

Lieut. J. F. Phillips, Pilot.
~~Used~~ Army Air Corps F1A airplane. Capt. A. W. Stevens, Photographer.
Reviewed and recommended for approval *M.H. Reese*
Chief of party Compilation M.H. Reese, May 26, 1933.

Photographs plotted by *S.E. Sperry Jr.* S.E. Sperry, March 6, 1933.

Inked by *S.E. Sperry Jr.* S.E. Sperry, April 17, 1933.

Heights in feet above _____ to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated November 15, 1932, 19 _____

Remarks: Compilation of aerial photographs Nos. SS. 414-430, SS.

452-469, SS. 362-380. Reduced to scale and printed by photo-lithographic process. ...

Polyconic projection by *S.E.S.* S.E. Sperry Jr., Feb. 16, 1933.

Projection verified by *M.H. Reese* M.H. Reese, Feb. 16, 1933.

Control plotted by *S.E.S.* S.E. Sperry, Jr., Feb. 17, 1933.

Control verified by *M.H. Reese* M.H. Reese, Feb. 17, 1933.

13. ✓ The descriptive report covers all details listed in the Manual, in so far as they apply to this survey. (Par. 64, 65, 66, 67.) *A description of the area may be found in the general report of the field inspection.*
14. ✓ The descriptive report also contains additional information required in aero-topography relative to type of photographs, method of compilation and type of ground control.
15. ✓ ^{will} The descriptions of recoverable stations and references to shore line were accomplished on Form 524, (Par. 29, 30, 57, 67 except scaling of IMs and DPs, 68.) *by L.P. Raynor during the program of his hydrographic work in this vicinity.*
16. ✓ A list of landmarks for charts ~~was furnished on Form 567 and plotting checked,~~ (Par. 16d, e, 60.) *was submitted as a chart letter by the field inspection*
17. ~~The magnetic meridian was shown and declination was checked. (Par. 17, 52.)~~
18. ✓ The geographic datum of the sheet is *N.A. 1927* and the reference station is correctly noted. (Par. 34.) *(unadjusted control was used.)*
19. ✓ Junctions with contemporary surveys are adequate. *In the southwest corner of the sheet an error was discovered due to the failure to use a 3rd. file control station. This was corrected.*
20. ✓ Geographic names are shown on the sheet and are covered by the Descriptive report. (Par. 64, 66k.)
21. ✓ The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46, 47, 48, 49, 50.)
22. ✓ No additional surveying is recommended.
23. ✓ The Chief of Party ^{wrote} ~~inspected and approved the sheet and the descriptive report. after review by~~
24. Remarks: *See note on back of this page*
- Reviewed in office by *Frank H. Kevline, December 4, 1933*

Examined and approved:

K.T. Adams
Chief, Section of Field Records

L.O. Rollett
Chief, Division of Charts

B. Borden
Chief, Section of Field Work

G. H. Hude
Chief, Division of Hyd. and Top.

NOTE:

Hand corrections have been applied to this file copy of compilation 5013 on August 2, 1934. These hand corrections include minor changes in lettering to improve the appearances of the sheet and also the following changes in the detail shown:

1. Lat. 38-10.1, Long. 121-29.2. The topographic station shown without a name was found on inspection of the photos to be similar to the topographic stations just to the north and has been named Windmill on tank accordingly.

2. Lat. 38-10.2, Long. 121-27.9. A topographic station shown here without a name has been removed from the sheet. This station was not applied to the new chart drawing. It is not mentioned in the descriptive report and no name was pasted on the celluloid for it. The photographs show no information except that it is not a prominent object. The position remains on the celluloid compilation.

3. Lat. 38-09.6, Long. 121-27.8. The shown is not listed in Geodesy and has been changed to a \odot . This is one of the unmarked supplementary three point fixes established for photo control.

B.G. Jones

GEOGRAPHIC NAMES

Survey No. T-5013

H-6010

Chart No. _____

Date. Dec. 21, 1934

hms

Names approved Dec. 21, 1934.

Diagram No. _____

Harlow Bacon

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

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

*This sheet is the standard for names
H.B.*

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

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Tyler Island</u> ✓	U.S.G.S. Quad, Isleton	and maps		
	<u>Georgiana Slough</u> ✓	"	"		
	<u>Broad Slough</u> ✓	"	"		
	<u>North Fork Mokelumne River</u> ✓	"	"		
	<u>Mokelumne River</u> ✓	"	"		
	<u>South Fork Mokelumne River</u> ✓	"	"		
	<u>Bouldin Island</u> ✓	"	"		
	<u>Staten Island</u> ✓	"	"		
	<u>South Fork Mokelumne River</u> ✓	"	"		
	<u>Brack Tract</u> ✓		"		
	<u>Sycamore Slough</u> ✓	"	"		
	<u>Hog Slough</u> ✓	"	"		
*	<u>Canal Ranch Tract</u> ✓	<i>added</i>	"		
*	<u>Terminus Tract</u> ✓	<i>added</i>	"		
	<u>Muensters Landing</u> not	Munteer's	"		
	<u>Cardoza</u> ✓ not	Cadoza	"		
	<u>Reveal Landing</u> ✓		"		
	<u>T. and O. Ranch</u> ✓	OK			
	Camps in general agreement with maps				
	Minor names not checked For references consulted see DR for T-4685.				

5013a

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Form 504
Rev. Dec. 1933
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. PATTON, DIRECTOR

DESCRIPTIVE REPORT

Topographic } Sheet No. 5013a
~~Hydrographic~~

State California

..... LOCALITY

Sacramento River Valley

Broad Slough to Hog Slough

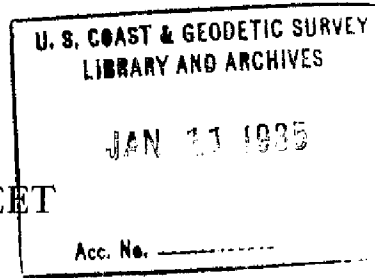
1934

CHIEF OF PARTY

(Corrections)

5013a

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY



REG. NO. 50132

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. 5013 A 50132

State..... California

General locality..... Sacramento River Valley

Locality..... Broad Slough to Hog Slough

Scale..... Date of survey..... Aug 29, 1934

Vessel.....

Chief of Party.....

Surveyed by..... F.G. Erskine

Inked by.....

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

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

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

Remarks:..... Corrections and additions to the original survey

For additional data see the Descriptive Report

DESCRIPTIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET NO. 5013A
(to be included in report for 5013)

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JAN 11 1935

Acc. No. _____

Broad Slough to Hog Slough, Sacramento River Valley, California.

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

Sources of Information: Hydrographic survey 6010; chart letter 630 (1934); descriptions of recoverable stations submitted on form 524; Air Photo Section files, sheets Nos. 57a^{July 1934} and 72; letter No. 23; sheet 5010 A .

Compilation: The junction to the south was changed in several places due to the replot of T-5010. The major change being in the shoreline of the South Fork Mokelumne River.

Sheet No. 72 contained numerous additional geographic names.

Sheet No. 57a contained a plane table revision of part of the South Fork Mokelumne River and Hog Slough. The revision in Hog Slough was very great in some places and since the revision did not correct the ditch and road net work, a plot of the photographs was made using the plane table work as additional control. With this additional control 3 pt. fix 367 B, a station used in the original plot, was found in error. The replot checked the plane table work at critical points but the detailed shoreline delineation differed. The correction was applied from the photographic replot. This work was done by *D. H. Benson* and checked by *Frank G. Emeline*. The replot of Hog Slough is filed with the original celluloid of T-5013.

In addition to the two corrections mentioned above, the hydrographic survey called attention to several minor corrections.

JAN 11 1935

-2-

Asc No.

The title of this sheet was changed from "Georgiana Slough to Hog Slough" to "Broad Slough to Hog Slough".

The name of the station in the datum note was corrected.

Remarks: Numerous stations were located by the photo plot for hydrographic control, all of which appear on the original file copy. As two of these stations were neither prominent nor recoverable they are not shown on the chart copies. They were used as hydrographic control under a different name and are shown on the A sheet under that name.

A Sheet Name	Approximate Position	Original File Copy Name
A M 12C	38-08 $\frac{1}{2}$, 121-29 $\frac{1}{3}$	STAKE
A S 11	38-08 $\frac{1}{3}$, 121-28 $\frac{3}{4}$	TARGET

Respectfully submitted,

Frank G. Erskine

Frank G. Erskine.

October 29, 1934.

Examined and approved

K.T. Adams

Asst Chief - Chart Division

JAN 11 1935

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. Weathers Map (1931) BP.-25708

U.S.G.S. Quadrangles-- BPs.- 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. Eubank

*Applied to drawing of Chart 5527
Jan. 17, 1935 - J.F.W.*

Additional Note T-5013

In the verification of H6010 four islands in Hog Slough on which temporary signals had been located were found in error. These four islands as shown on the A sheet were the plane table's location (sheet 57a). They were changed to agree with the photo re-plot (as mentioned on the first page of this report) and this location was verified by the hydrography. These corrections are shown in blue on the A sheet, *and will be applied to the plate at the next printing.*

April 5, 1935.

Frank G. Eakin

*applied to drawing of Chart 5527
Apr. 10, 1935*