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U. S. COAST & GEODETIC SURVEY
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Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic } Sheet No. T-5003
~~Hydrographic~~ } 5003a

LOCALITY

5003 Sacramento River

Prospect Slough To Sacramento River

5003A Sacramento Delta
Sutter Island & Vicinity

1933.

CHIEF OF PARTY

M. H. Reese.

Applied to Drawing of Chart 5528

April 23, 1935 - J.F.W.

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Descriptive Report to Accompany
Air-photo Topographic Sheet T-5003.

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., March 23, 1933.
 - Projection checked by M. H. R., March 23, 1933.
 - Control plotted by E. L. F., March 23, 1933.
 - Control checked by M. H. R., March 24, 1933.
 - Radial line plot by M. H. R., Mar. 29-Apr. 5, 1933.
 - Drafting of photographs by R. A. K., Apr. 12-May 29, 1933.
- c. Statistics-
 - Area of sheet: 25 sq. Statute miles.
 - Shoreline of rivers and sloughs less than 300 meters wide: 45 Statute miles.
- d. Reports affecting sheet-
 - U. S. Engineer blueprints of the Sacramento River, Miner Slough, Sutter Slough, and Steamboat Slough, filed in the Chart Section. The blueprints were used in conjunction with the notes made on the photographs by the field party for interpretation of the detail.
- e. Numbers, time, and date, of photographic flights-
 - SS.180 - 195, 1:30 P. M., Dec. 15, 1931.
 - SS.227 - 243, 1:45 P. M., Dec. 15, 1931.
 - SS.277 - 291, 2:00 P. M., Dec. 15, 1931.

Control:

Sources-

1. First and second order triangulation by John Bowie, 1931. The computations have been adjusted to the North American Datum, 1927.
2. Three point fixes by L. P. Raynor, 1933.
3. Rectangular coordinates of the 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.

Compilation: (continued),

- b. Comparison with other surveys-
Satisfactory junctions were obtained with
Sheets T-5002, T-5017, T-5004, T-5005, and
T-5019.

Landmarks:

Landmarks 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-5003

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. 20

REGISTER NO. T-5003.

State California 5003a

General locality Sacramento River.

Locality Prospect Slough to Sacramento River.

Scale 1:10,000 Date of Photographs Dec. 15, 1931.
Date of Compilation May 29, 1933.

~~Vessel~~ Army Air Corps FIA airplane, Lieut. J. F. Phillips, Pilot.
Capt. A. W. Stevens, Photographer.

Reviewed and recommended for approval *M.H. Reese*

Chief of ~~party~~ Compilation M.H. Reese.

Photographs plotted by *M.H. Reese*
~~Surveyed by~~ M.H. Reese, Apr. 5, 1933.

Inked by *R.A. Kempton* R.A. Kempton.

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. 180-195, SS. 227-243,

SS. 277-291. Reduced to scale and printed by photo lithographic process.

Polyconic projection by *E.L. Fitch* E.L. Fitch, March 23, 1933.

Projection verified by *M.H. Reese* M.H. Reese, March 23, 1933.

Control plotted by *E.L. Fitch* E.L. Fitch, March 23, 1933.

Control verified by *M.H. Reese* M.H. Reese, March 24, 1933.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

REG. NO.

AIR PHOTO

TOPOGRAPHIC TITLE SHEET

T-5003A

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. 20

REGISTER NO.

State CALIFORNIA

General locality Sacramento Delta

Locality Sutter Island and Vicinity

Scale 1:10,000 Date of survey May 29, 1923

Vessel

Chief of Party

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:

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. 5003

Title (Par. 56) *Prospect blough to Sacramento River, Sacramento Riv. California*
 Chief of Party *M. H. Reese* Compiled by *M. H. Reese and R. A. Kempton*
 Project *Sacramento - San Joaquin* Instructions dated *Nov. 15, 1932*

1. ✓ The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 8; and 16, a, b, c, d, e, g and i.)
2. ✓ The character and scope of the compilation satisfy the instructions and the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".
3. ✓ The control and adjustment of the radial plot were adequate. (Par. 12, 29.)
4. There is ~~sufficient control~~ on maps from other sources that were transmitted by the field party for their application to the charts. (Par. 28.)
5. ✓ High water line on marshy ~~and mangrove~~ coast is clear and adequate for chart compilation. (Par. 16a, 43, 44.)
6. The representation of low water lines, reefs, coral reefs and rocks, and legends pertaining to them is satisfactory. (Par. 36, 37, 38, 39, 40, 41.)
7. ✓ Important details shown on previous surveys and on the chart have been compared with this sheet and a statement has been entered in the report regarding the removal from the chart or change in position of important detail such as rocks, lights, beacons, prominent objects, bridges, docks, and structures along the water front. *no coast survey sheet for this area*
8. ✓ The span, ~~draw and clearance~~ of bridges ^{is} shown. (Par. 16c.)
9. ✓ The data furnished by the Field Inspection is adequate.

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.

10. ✓ The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 64, 65 and 66.)
11. ✓ The descriptive report also contains all additional information required in photo topography as prescribed in the instructions and in the "Notes on the Compilation of Planimetric Line Maps from Five Lens Aerial Photographs".
12. ✓ The descriptions of recoverable stations and references to shore line were accomplished on Form 524, and scaling of positions checked. (Par. 29, 30 and 57.) *none furnished*
13. ✓ A list of landmarks for charts was furnished on Form 567 and ~~scaling of positions checked.~~ (Par. 16d, e, 60.) *was submitted by the Field Inspection Party and an additional list was submitted by the Compilation Party*
14. ✓ The geographic datum of the sheet is *N.A. 1927* and the reference station is correctly noted. (Par. 34.)
15. ✓ Junctions with contemporary surveys are adequate.
16. ✓ Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.)
17. ✓ The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.)
18. ✓ No additional surveying is recommended.
19. Remarks: *In Steamboat Slough at Lat. 38°-17', Long. 121°-35' there is a projection into the stream from the east bank. Stereoscopic examination of the photographs failed to indicate what this could be. This hydrographic survey should clear this point.*
20. Examined and approved:

Chief of Party

21. Remarks after review in office:

Reviewed in office by:

Frank G. Euskine

July 13, 1934

Examined and approved:

K.T. Adams
Chief, Section of Field Records

L.O. Solbert
Chief, Division of Charts

B. Borden
Chief, Section of Field Work

G. F. de
Chief, Division of
Hydrography and Topography.

GEOGRAPHIC NAMES

Survey No. T-5003

No Hydro

Date April 8, 1935

Chart No. _____

HMS

Diagram No. 5534Names approved April 8, 1935. *Hurlow Bacon*

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

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

Under investigation. Q

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Liberty Cut</u>	**			
	<u>Egbert Cut</u>	Blueprint #26624			
	<u>West Cut</u>	**			
	<u>Woodward Landing</u>	OK			
	<u>Oxford Station</u> Offi	Official Guide of the Railways, Jan. 1934			
	<u>Miner Slough</u>	**			
	<u>Sutter Slough</u>	**			
	<u>Sutter Island</u>	**			
	<u>Steamboat Slough</u>	**			
*	<u>Sacramento River</u>	**			
	<u>Coggeshall</u> ***	Map of the County of Sacramento, Calif., Drury Butler County Surveyor, 1923			
	<u>Kanady</u>	OK			
	<u>Runyon</u>	***			
	<u>Talmadge</u>	***			
	<u>Grand Island</u>	**			
	<u>Ryer Island</u>	**			
	<u>Lents Landing</u>	OK			
	<u>Chickory Wharf</u>	OK			
	<u>Jewett T. Kidder Landing</u>	OK			
	<u>W. A. Stewart Landing</u>	OK			
	<u>Prospect Island</u>	**			
	<u>Prospect Slough</u>	**			

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. 598 (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. Enshine

Approved

C. K. Green

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DESCRIPTIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET NO. 5003 A
(to be included in report for T-5003)

Sutter Island and Vicinity, Sacramento Delta, California.

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

Source of Information:

Sheet No. 67 Air Photo Section files.

Compilation:

Sheet No. 67 furnished additional geographic names.

Remarks:

The title of this sheet was changed from "Sacramento River, Prospect Slough to Sacramento River" to "Sacramento Delta, Sutter Island and Vicinity".

Respectfully submitted,

Frank G. Erskine

Frank G. Erskine.

November 22, 1934.

*appw.
G. H. Green*