

5004

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-5004.

LOCALITY

Yolo Basin.

West Cut.

1933.

CHIEF OF PARTY

M. H. Reese.

5004

Applied to drawing of Chart 5528

Jan. 24, 1935 - J.S.W.

Descriptive Report to Accompany
Air-photo Topographic Sheet T-5004.

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 19, 1933.
 - Projection checked by M. H. R., April 19, 1933.
 - Control plotted by E. L. F., April 20, 1933.
 - Control checked by J. R., April 20, 1933.
 - Radial line plot by M. H. R., April 21-24, 1933.
 - Drafting of photographs by J. B. M., May 3-24, 1933.
- c. Statistics-
 - Area of sheet : 20.3 sq. statute miles.
 - Shoreline of rivers and sloughs less than 300 meters wide: 29.0 statute miles.
- d. Reports affecting sheet-
 - The information shown on the sheet is confined to notes made on the photographs by the field inspection party. The notes made by the field party were complete and no difficulty was experienced in interpreting the detail from the photographs.
- e. Numbers, time, and date, of photographic flights-
 - SS. 151 - 164, 2:30 P. M., Dec. 14, 1931.
 - SS. 186 - 198, 1:30 P. 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. Adjustment of plot-
 - The detail in the vicinity of Lat. 38 20, Long. 121 38.5 to 41.5, is subject to a small error. The reason for the probable error is that the canals were in the outer limits of the photographs. I doubt if the probable error in this area will reach 10 meters as the pictures were very well controlled.

Compilation: (continued),

c. Comparison with other surveys-

Satisfactory junctions were obtained with
sheets T-5017, T-5003, T-5005, and T-5006.

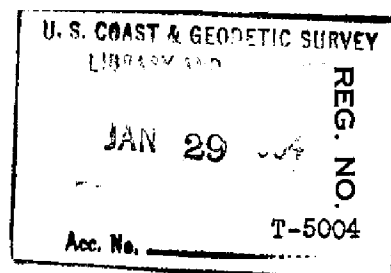
Landmarks:

Landmarks 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



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. 22

REGISTER NO. T-5004

State California

General locality Yolo Basin

Locality West Cut

Date of Photographs December 14-15, 1931.
Scale 1:10,000 Date of Compilation May 24, 1933.

~~Navy~~ 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, June 1, 1933.

Photographs plotted by
~~Surveyed by~~ M.H. Reese, Apr. 24, 1933.

Inked by J.B. Moreland, May 24, 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. 151-164, SS. 186-198. Reduced to scale and printed by photo lithographic process.

Polyconic projection by E.L. Fitch, Apr. 19, 1933.

Projection verified by M.H. Reese, Apr. 19, 1933.

Control plotted by E.L. Fitch, Apr. 20, 1933.

Control checked by J. Rippstein, Apr. 20, 1933.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. 5004

Title (Par. 56) *Yolo Basin, Trust Cut, California*Chief of Party *M. H. Reese*Compiled by *M. H. Reese & J. B. Moreland*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.) *See "Compilation (b)" of report.*
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. *There is no previous Coast Survey chart.*
8. ~~The span, draw and clearance of bridges are 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.) *Descriptions of recoverable stations will be submitted by L.P. Rayner on form 524 during the hydrographic survey in this area.*

13.✓ A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) *List of landmarks are in file on chart center.*

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.) *see "Genl Inf. (d)"*

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:

20. Examined and approved:

Chief of Party

21. Remarks after review in office: *A better title might have been chosen for the sheet.*

Reviewed in office by: *Frank G. Erskine Feb. 29, 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. H. Rude
Chief, Division of
Hydrography and Topography.

Chart No. _____

HMS

Names approved Jan. 4, 1935.

Diagram No. _____

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

5004a

Supp.
a

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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
~~Hydrographic~~

Sheet No. 5004a

State CALIFORNIA

LOCALITY

WEST CUT

DAISIE LANDING to SPARLING LANDING

1934

CHIEF OF PARTY

(Corrections)

5004a

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY LIBRARY AND ARCHIVES	REG. NO.
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TOPOGRAPHIC TITLE SHEET

50042

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

-Field-Note-

REGISTER NO. 5004 A 50042

State.....California.....

General locality.....West Cut.....

Locality.....Daisia Landing to Sparling Landing.....

Scale..... Date of survey....., 19.....

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....., 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. 5004 A
(to be included in report for T-5004)

U. S. COAST & GEODETIC SURVEY
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JAN 18 1935

Acc. No. ---

Daisie Landing to Sparling Landing, West Cut, California.

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

Source of Information:

Sheet No. 65 Air Photo Section files.

Compilation:

Sheet No. 65 supplied a few additional names.

Remarks:

The title of this sheet was changed from "Yola Basin, West Cut"
to "West Cut, Daisie Landing to Sparling Landing". The names of the
two triangulation stations at the lower part of West Cut were corrected.

Respectfully submitted,

Frank G. Erskine

Frank G. Erskine.

November 19, 1934.

*Approved: E. H. Green
Ch. Field Records*

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) 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. Evakine

*Applied to drawing of Chart 5528
Jan. 24, 1935 - J.V.W.*