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

State: California

DESCRIPTIVE REPORT
Air-photograph Sheet No. T-5008.
Topographic
Hydrographic

LOCALITY
Sacramento River
Riverview Station to Merkeley Light

1933

CHIEF OF PARTY
M. H. Reese
Descriptive Report to Accompany
Air-photo Topographic Sheet T-5008.

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. May 2, 1932.
   Projection checked by M. H. R. May 2, 1932.
   Control plotted by E. L. F. May 5, 1932.
   Control checked by J. R. May 3, 1932.
   Radial line plot by E. L. F. May 5-20, 1932.

c. Statistics-
   1. Area of sheet: 23.4 square statute miles.
   2. Shoreline of rivers and sloughs less than 300 meters wide: 20.8 statute miles.

d. Reports affecting sheet -
   U. S. Engineer blueprints of the Sacramento River.
   The blueprints were used in conjunction with the notes made on the photographs by the field inspection party. The notes made by the inspection party were complete.

e. Numbers, time, and dates, of photographic flights -
   SS. 143-151, 2:30 P. M., Dec. 14, 1931.
   SS. 40-46, 2:00 P. M., Dec. 14, 1931.

Control:

Sources -
1. First order triangulation by John Rowie, 1932.
   The computations have been adjusted to N. A. Datum, 1927.

2. Three point fixes by L. P. Raynor, 1933.

3. Reduction of rectangular coordinates of the U. S. Engineer stations to Geographical coordinates by L. P. Raynor, 1933.
Compilation:

a. Method-
The radial line method as applied to five lens photographs was used throughout the sheet.

Comparison with other surveys:

a. Junction of sheets-
Satisfactory junctions were obtained with Sheets T-5009 and T-5007.

Landmarks:

A list of landmarks was submitted by the field inspection party. Additional objects located by the compilation party are submitted on form 567.

M. H. Reese,
Lieut. (j.g.) C. & G. Survey.
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...26

REGISTER NO. T-5008

State...California

General locality...Sacramento River

Locality...Riverview Station to Merkley Light

Date of Photographs...Dec. 14, 1931

Scale...1:10,000

Date of Compilation...June 27, 1932

Surveyed by...Lieut. J. F. Stevens, Pilot.

Reported for approval...M.F. Rease, June 30, 1933.

Photographs plotted by...E. L. Fitch, May 20, 1933.

Inked by...E. S. Sperry, Jr., and R. A. Kempton, June 27, 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. 55.148-151, SS.67-74, SS.40-46. Scale 1:10,000, printed by photo lithographic process.

Polyconic projection by...E. L. F. May 2, 1933.

Projection verified by...J. R. May 2, 1933.

Control plotted by...J. J. May 3, 1933.

Control verified by...J. R. May 3, 1933.
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. 26.)

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.) is not very clear, and there are no legends pertaining to them. The top of this chart.

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 further Coast Survey chart of this area.

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.
(6) E.N.T. For the Sacramento River between 38° 31' and 38° 32' there is some sanding. This is apparently a sand bar. Also in this area just north of Oak Hill Point there are a row of piles, probably normal to the shore. These piles are not marked. On the lower end of the river (north of 38° 31') there are a number of small lots running with the shore (both sides of river). There are piles, and it should be so labeled.
10. The descriptive report covers all details listed in the Manual, so far as they apply to this survey. (Par. 54, 66 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 on Form 524 by T. F. Adams during the hydrographic survey of this area.

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

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 "General Information." (I)

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:

Reviewed in office by: Frank S. Fiskins Feb. 24, 1934

Examined and approved:

K. T. Adams
Chief, Section of Field Records

Chief, Division of Charts

T. S. Brown
Chief, Section of Field Work

Chief, Division of Hydrography and Topography.
**GEOGRAPHIC NAMES**

Date: **Dec. 14, 1934**

*Names approved Dec. 14, 1934.*

Diagram No. **Harlow Bacon**

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

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

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

<table>
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<tr>
<th>Status</th>
<th>Name on Survey</th>
<th>Name on Chart</th>
<th>New Names in local use</th>
<th>Names assigned by Field</th>
<th>Location</th>
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Names of schools and minor names not checked unless so indicated.

|        | **Sacramento Airport** **OK** |                        |                         |                         |                                 |
|        | **Lisbon School** |                                                |                        |                         | U.S.G.S. Lovdal Quad.         |

For maps on area see DR for T-4685. RMS
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. 5008 A

State... California

General locality... Sacramento River

Locality... Riverview Station to Sutterville

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

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...

970
Riverview Station to Sutterville, Sacramento River, California.

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

Sources of Information: Sheet No. 61 Air Photo Section files; blue prints 27612 and 25708; chart letter 630 (1934).

Compilation: Sheet No. 61 gave the new location of a light and deleted several others. It also called attention to a few other small corrections.

Chart letter 630 (1934) called attention to the deletion of two lights, and gave the position of the new light.

The town and bend names came from the two blueprints.

The title of this sheet was changed from "Riverview Station to Mirkeley Light" to Riverview Station to Sutterville".

Respectfully submitted,

Frank G. Erskine.

October 23, 1934.
There are no charts covering the area of this project except chart 5524 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. Peabody Map (1931) -- Revised 55706

U.S.G.S. Quadrangles E.N. -- 55703 to 55707

(See also chart letter No. 595 (1933)

Maps 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 same lists will be applied to the compilations at the next printing.

November 26, 1934

Frank G. Fisk

Applied to drawing of Chart 5528

Jan 14, 1935 - 9th