State: California

DESCRIPTIVE REPORT

Locality

Sacramento River.

Paintersville to Hood.

1933.

Chief of Party

Mr. H. Reesee.
Applied to Drawing of Chart 5528

April 23, 1935 - G.W.
Descriptive Report to Accompany
Air-photo Topographic Sheet T-5005.

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. Apr. 7, 1933.
   Projection checked by M. H. R. Apr. 7, 1933.
   Control plotted by E. L. F. Apr. 8, 1933.
   Control checked by F. A. R. Apr. 10, 1933.
   Radial line plot by M. H. R. Apr. 12-17, 1933.
   Drafting of photographs by S. E. S. Apr. 18-May 19, 1933.

c. Statistics-
   Area of Sheet: 22.4 sq statute miles.
   Shoreline of rivers and sloughs less than 300 meters wide: 29.2 statute miles.

d. Reports affecting sheets-
   U. S. Engineer blueprints of the Sacramento River filed in the Chart Section.
   The blueprints were used in conjunction with the 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. 6 - 16, 1:45 P. M., Dec. 14, 1931.

Control:

a. Sources-

b. The following U. S. Engineer Station was found to be in error
   Computed value  Photo plot value.
   
   (318.5)       (318.0)
   U. S. E. 63    Lat. 38 19 1531.5    Lat. 38 19 1532.0
   (839.0)        (838.0)
   Long. 121 34 688.9    Long. 121 34 689.0
   (861.7)     (869.9)   Excellent Check
Compilation:

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

b. Comparison with other surveys-
Satisfactory junctions were obtained with sheets T-5003, T-5004, T-5006, 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.
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. 23

REGISTER NO. T-5005

State: California

General locality: Sacramento River

Locality: Paintersville to Hood

Date of photographs: Dec. 14, 1931

Scale: 1:10,000

Date of compilation: May 19, 1933


U.S. Army Air Corps FLA airplane, Capt. A. W. Stevens, photographer.

Reviewed and recommended for approval

Chief of Compilation: M. H. Reese, June 1, 1933.

Photographs plotted by

Surveyor: M. H. Reese, Apr. 17, 1933.

Inked by: S. E. Sperry, S. E. Sperry, Jr., May 19, 1933.

Heights in feet above ground to tops of trees

Contour, approximate contour, form line interval feet

Instructions dated: November 15, 1932

Remarks: Compilation of Aerial Photographs Nos. SS.109-120, SS. 94-104, SS.6-16. Reduced to scale and printed by photo-lithographic process.

Polyconic projection by E. L. Fitch, Apr. 7, 1933.

Projection verified by M. H. Reese, Apr. 7, 1933.

Control plotted by E. L. Fitch, Apr. 8, 1933.

Control verified by F. A. Kelly, Apr. 10, 1933.
Title (Par. 56) SACRAMENTO RIVER, PORTERVILLE TO HIRAM, CALIFORNIA

Chief of Party M. H. RUSE

Compiled by M. H. RUSE and F. E. HAGY

Project SACRAMENTO-SAN JOAQUIN

Instructions dated Nov. 16, 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. There is no private land shown on chart.

8. The span, crew and existence 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 as shown on this Form 524 during the Hydrographic survey in the area.

13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) lists of landmarks submitted to the field unit in proper form of chart listing. A list to complete the sheet, submitted to the compilation party, but a list is not furnished for the sheet.

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. 54, 68k.) "General Information (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:

Reviewed in office by: ________________________________

Feb. 21, 1934

Examined and approved:

Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of Hydrography and Topography.
**For authorities used see ER for T-4685
*Numbers of Landings not checked, except in general. Names * are those of the landowners at the landing, and may change with ownership.

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<th>Name on Map</th>
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GEOGRAPHIC NAMES

Date: April 10, 1935.

Names approved April 10, 1935.

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

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

Under investigation. Q

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Southern Pacific Railroad Official Railway Guide, Jan. 1934

**For authorities used see DR for T-4685
DESCRIPITIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET NO. 5005 A
(to be included in report for T-5005)

Paintersville to Hood, Sacramento River, California.

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

Sources of Information: Plane table revision sheet No. 49a (June 27, 1934) Air Photo Section files; sheet No. 64 Air Photo Section files; letter No. 16 Air Photo Section files; descriptions of recoverable stations.

Compilation:

Plane table revision sheet No. 49a was applied by M.W. Fulton and checked by D.H. Benson.

Sheet No. 64 contained additional geographic names.

One station was submitted by the field party and described on form 524.

Remarks:

The names of four triangulation stations were corrected.

Two ferries are shown on this sheet, one at Hood and the other at Courtland. North of each ferry is anchored a line of wood pontoons containing a cable. In case of high water and strong current the cable is used as an additional anchorage for the ferry. The north end of the cable is fixed and as the ferry crosses to the opposite side of the river from the pontoons as shown the cable swings across the river. Navigation is impossible when the ferry is on the opposite shore from the pontoons. These cable pontoons are lighted so that they may be seen at night.

November 21, 1934.

Respectfully submitted,

Frank G. Erskine.

Frank G. Erskine.
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 -- BP.2 - 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.

[Signature]