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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-5005
5005a

LOCALITY

Sacramento River.

Paintersville to Hood.

1933.

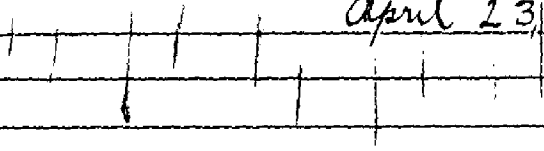
CHIEF OF PARTY

M. H. Reese.

5005
5005a

Applied to Drawing of Chart 5528

April 23, 1935 - J.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 | P. A. K. | 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. 109 - 120, | 2:30 P. M., | Dec. 14, 1931. |
| SS. 94 - 104, | 2:15 P. M., | Dec. 14, 1931. |
| SS. 6 - 16, | 1:45 P. M., | Dec. 14, 1931. |
- Fasto NPS*

Control:

- a. Sources-
1. First and Second Order Triangulation by John Bowie, 1931. Adjusted to N. A. Datum, 1927.
 2. Three point fixes and intersection points by L. P. Raynor, 1933. Computed on N. A. Datum, 1927.
 3. U. S. Engineer Stations reduced to geographical Coordinates by L. P. Raynor, 1933.
- b. The following U. S. Engineer Station was found to be in error

Error found in reduction of seconds to meters of Computed Value.

Hanna

	Computed value	Photo plot value.
(U. S. E. 63) Lat. 38 19	(318.5) 1531.5	(318.0) 1532.0
Long. 121 34	(819.0) 658.5 (867.7) 589.9	(868.0) 589.0

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.

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REG. NO. T-5005
5005

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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.

Field No. 23

REGISTER NO. T-5005.
5005a

State California

General locality Sacramento River

Locality Paintersville to Hood

Date of photographs Dec. 14, 1931.
Date of ~~survey~~ compilation May 19, 1933.

~~Vessel~~ 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. 17, 1933.

Inked by S.E. Sperry, Jr. S.E. Sperry, Jr., May 19, 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. SS.109-120, SS. 94-104, SS.6-16. Reduced to scale, and printed by photo lithographic process.
1:10,000

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 P.A. Kelly, Apr. 10, 1933.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. 5005

Title (Par. 56) *Sacramento River, Paintedville to Hood, California*Chief of Party *M. H. Reese*Compiled by *M. H. Reese and S. E. Sperry*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. *There is no previous local survey sheet.*
8. ✓ The span, ~~draw~~ ^{type} 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.) *Lists of landmarks submitted by the field inspection are on file of chart letter. Additional objects were submitted by the compilation party, but a list was not prepared in the report.*

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 (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: *Frank G. Kerstine* Feb. 21, 1934

Examined and approved:
K.T. Adams
Chief, Section of Field Records

L.O. Solbat
Chief, Division of Charts

J.S. Borden
Chief, Section of Field Work

G. Stude
Chief, Division of Hydrography and Topography.

Survey No. T-5005

No Hydro

GEOGRAPHIC NAMES

Date. April 9, 1935

Chart No. _____

HMS

Diagram No. 5534Names approved April 9, 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 CRS map	New Names in local use	Names assigned by Field	Location
	<u>Elkhorn Slough</u>	**	US.G.S. Courtland quadrangle		
	<u>Merritt Island</u> ***	**	"		
*	<u>Sacramento River</u>	U.S.G.B. 6th Report			
	<u>Simpson</u>	Map of Sacramento County, op.cit.			
	<u>Herringer</u> ***	Official Map of Yolo County, California, A.G. PROCTOR, County Surveyor, C.O. Dingle, licensed surveyor, 1915.			
	<u>Hood</u>	Official Postal Guide, July, 1934			
	<u>McFadden</u> ***				
	<u>Greens</u>	County of Sacramento, Drury Butler, 1923			
	<u>Hollister</u>	"			
	<u>Randall Island</u>	** U.S.G.S. Courtland Quad; Map of the County of Sacramento, Drury Butler, 1923			
	<u>T. W. Dean</u>	"			
	<u>M. R. Elliot</u>	"			
	<u>Hemp</u>	OK **			
	<u>Sims</u>	OK **			
	<u>Courtland</u>	U.S. POSTAL Guide, July, 1934			
	Courtland Landing	Delete			
	<u>Olive Ranch</u>	OK **			
	<u>Paintersville</u>	Rand McNally Commercial Atlas, 1935			
	<u>DeBack</u>				
	<u>Wedley</u>				
	<u>Paintersville Landing</u>	OK **			
**Fore authorities used see BR 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.					

DESCRIPTIVE 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.

Approved: E. J. Green

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. Esquire