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

State: California

DESRIPTIVE REPORT

LOCALITY
Sacramento River
Freeport and Vicinity
Beaches Grove Light to U.S.S. Pier No. 19

1933

CHIEF OF PARTY
M.H. Reese

Form 594
Ed. June, 1923
Descriptive Report to Accompany
Air-photo Topographic Sheet T-5007.

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 26, 1933.
   - Projection checked by M. H. R. April 26, 1933.
   - Control plotted by E. L. F. April 27, 1933.
   - Control checked by M. H. R. April 27, 1933.
   - Radial line plot by M. H. R. May 1-15, 1933.
   - Drafting of photographs by W. H. B. May 22-June 17, 1933.

c. Statistics-
   - Area of sheet: 29.7 sq. statute miles.
   - Shoreline of rivers and sloughs less than 300 meters wide: 28.6 statute miles.

d. Reports affecting sheet-
   - U. S. Army 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 were complete and no difficulty was experienced in interpreting the detail from the photographs.

e. Numbers, time, and dates of photographic flights-

Control:

Sources-
1. First order triangulation by John Bowie, 1931.
   The computations have been adjusted to the N. A. Datum, 1927.

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

3. Reduction of rectangular coordinates of U. S.
   Engineer Stations to geographical coordinates
   by L. P. Raynor, 1935.
Compilation:

a. Method-
   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 Nos. T-5006 and T-5008.

Landmarks:

A list of landmarks was 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.
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 25

REGISTER NO. T-5007

State. California

General locality. Sacramento River.


Scale. 1:10,000

Date of Photographs. Dec. 14, 1932.

Date of Compilation. June 17, 1933.


WASSMANN Army air corps F/A airplane. Capt. A. W. Stevens, Photographer.

Reviewed and recommended for approval. M. H. Hess, June 24, 1933.


Inked by W. H. Burwell

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. 132-142. SS. 74-84.

SS. 27-37. Scale 1:10,000. Printed by photolithographic process.

Polyconic projection by L. F. April 26, 1933.

Projection verified by M. H. R. April 26, 1933.

Control plotted by E. L. F. April 27, 1933.

Control verified by M. H. R. April 27, 1933.
REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. 5007

Title (Par. 56) Sacramento River, Beach town St. to U. S. R. R., Par. 19, Cal.

Chief of Party M. H. Price

Project Sacramento Estuary

Compiled by M. H. Price and W. H. Burwell

Instructions dated Nov. 15, 1939.

1. The survey and preparation for it conform to the requirements of the Topographic Manual. (Par. 6; 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 reefs, 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 are no prominent breakwaters in the 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.
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 were accomplished on Form 524 during the Hydrographic survey of the area by C. P. Rayburn.

13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) Landmarks are not as chart letter.

14. The geographic datum of the sheet is NAD 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:

20. Examined and approved: [Signature]

21. Remarks after review in office:

Reviewed in office by: [Signature] Feb. 23, 1934

Examinated and approved:

[Signature] Chief of Party

[Signature] Chief of Section of Field Records

[Signature] Chief, Division of Charts

[Signature] Chief, Section of Field Work

[Signature] Chief, Division of Hydrography and Topography.
<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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Minor names not checked

Yolo Basin  U.S.G.S. Babel Slough Quad

For sources consulted see DR for T-4685, HMS.
DEPARTMENT OF COMMERCE
U.S. COAST AND GEODETIC SURVEY

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.

REGISTER NO. 5007 A

State...California

General locality...Sacramento River

Locality...Fresno and Vicinity

Scale...1:6250 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...
Freeport and Vicinity, Sacramento River, California.

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

Sources of Information: Sheet #62 Air Photo Section files; blue print #25708; letter #14 Air Photo Section files; chart letter #631 (1934) and chart letter #630 (1934).

Compilation: Sheet #62 gave the location of a light, and the names of several landings and a railroad station. It also showed in detail a shoal area of the river, and a cable crossing area.

Chart letter 630 (1934) called attention to the deletion of two wood poles and their replacement with two latticed steel poles.

The name of the town of Freeport came from blue print #25708.

Letter #14 called for a change in the reference station, and a new title, which was changed from "Beaches Grove Light to U.S. G. S. pier No. 19" to "Freeport and Vicinity".

Letter #631 gave the C. F. of a light.

The triangulation station "Saxon 1931" was discovered to have been left off the sheet and was added.

Respectfully submitted,

[Signature]

November 8, 1934.

Approved

K.T. Adams
Asst Chief - Chart Division
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 and 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. Weather Map (1931) BP.-23708
U.S.G.S. Quadrangles-- BP. 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 20, 1934.

[Signature]

Applied to drawing of Chart 5528.

Jan 5, 1935 - J.M.W.