

5007
5007a

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JAN 18 1934

Acc. No. _____

Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

R. S. Patton, Director



State: California.

DESCRIPTIVE REPORT

Air-photo
Topographic
~~Hydrographic~~

Sheet No. T-5007.

5007
5007a

LOCALITY

Sacramento River.

Freeport and Vicinity
~~Reaches Grove Light to U.S.G.S.~~

Pier No. 19.

1933.

CHIEF OF PARTY

M. H. Reese.

5007
5007a

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-

SS. 132-142,	1:20 P. M.,	Dec. 14, 1932.	1931
SS. 74- 84,	2:15 P. M.,	Dec. 14, 1932.	1931
SS. 27- 37,	1:50 P. M.,	Dec. 14, 1932.	1931

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, 1933.

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.

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JAN 18 1934

REG. NO.

5007

Acc. No. _____ T-5007

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.

Locality Freeport and Vicinity
Reaches Grove Light to U. S. G. S. Pier No. 19.

Scale 1:10,000 Date of Photographs Dec. 14, 1932
Date of ~~Survey~~ Compilation June 17, 1933.

~~Wassuck~~ 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 24, 1933..

Photographs plotted by M.H. Reese
~~Surveyed by~~ M.H. Reese May 15, 1933.

Inked by W.H. Burwell W.H. Burwell June 17, 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. 132-142, SS. 74-84,
SS. 27-37. Scale 1:10,000, printed by photo lithographic process.

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

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

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

Control verified by M.H. Reese M. H. R. April 27, 1933.

REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. 5007

Title (Par. 56) *Sacramento River, Beach Grove St., to U.S.P. #19, Cal.*

Chief of Party *M. N. Rose*

Compiled by *M. N. Rose and W. H. Burwell*

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~~ ^{*sand bars*} 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 previous coast survey charts of this area.*
8. ✓ The span, ~~draw and~~ ^{*type*} 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 accomplished on form 524 during the hydrographic survey of this area by L. P. Rowland.*
13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) *Lists of landmarks are on file as chart letters.*
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. Eustine* *Feb. 23, 1934*

Examined and approved:

K.T. Adams
Chief, Section of Field Records

L.O. Pollock
Chief, Division of Charts

B. Borden
Chief, Section of Field Work

G. Meade
Chief, Division of
Hydrography and Topography.

GEOGRAPHIC NAMES

Date. Dec. 14, 1934.

Chart No. _____

HMS

Names approved Dec. 14, 1934.

Diagram No. _____

Harlow Bacon

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

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

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

Status	Name on Survey	Name on Chart	New Names in local use	Names assigned by Field	Location
	<u>Sacramento River</u>	U.S.G.B. 6th Report			
	<u>Freeport</u> OK	Detailed maps			
	<u>Freeport Station</u> OK	"			
	<u>Argentina Station</u> OK	"			
	<u>Landing No. 145</u> OK	"			
	<u>Dippenbrock Landing</u>	"			
	<u>Glide Landing</u> 143	"			
	<u>Lisbon</u>	"	U.S.G.S. Babel Slough Quad.		
	<u>Babel Slough</u>	"	"		
	<u>Winchester Slough</u>	"	"		
	<u>West Cut</u> is called Yolo Canal on detailed maps, believe we should use West Cut for present, and obtain further information.				
	<u>Haycock Shoals</u> OK				
	<u>Freeport Landing</u> No. 137	Detailed maps			
	<u>Pocket Pump Red Light</u>	Light List, Pacific Coast, U.S., 1934			
	<u>Glide Crossing White Light</u>	"			
	<u>Freeport Bend</u> OK				
	<u>Freeport Bend Red Light</u>	"			
	<u>Freeport Bend South Red Light</u>	"			
	<u>Content Red Light</u>	"			
	<u>Beachs Grove Red Light</u>	"			
	<u>Beach Lake</u>	U.S.G.S. Florin Quad and maps			
	Minor names not checked				
	* <u>Yolo Basin</u> 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

REG. NO. 50072

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.~~

REGISTER NO. 5007 A

50072

State California

General locality Sacramento River

Locality Freeport and Vicinity

Scale 1/25,000 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: Correcti ons and additions to the original survey.

For additional data see the Descriptive Report.

DESCRIPTIVE REPORT TO ACCOMPANY
AIR PHOTO TOPOGRAPHIC SHEET NO. T-5007 A
(to be included in report of T-5007)

5007A

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 G. P. of a light.

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

Respectfully submitted,

Paul G. Eskine

November 8, 1934.

Approved

K.T. Adams

Asst Chief - Chart Division

NAVES: 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) HP.-25708

U.S.G.S. Quadrangles-- HPs.- 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.

Paul G. Perkins

Applied to drawing of Chart 5528.

Jan 15, 1935 - J.W.