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		DEPARTMENT OF COMMERCE	
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		DESCRIPTIVE REPORT	
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DESCRIPTIVE REPORT

to accompany

AIR PHOTO TOPOGRAPHIC SHEET NO. 5009

Sacramento and Vicinity
Sacramento River
California.

See Descriptive Report T-4685 for general report of Field Inspection 1. GENERAL INFORMATION.

(a) This sheet is a compilation of Army Air Corps five-lens photographs taken with type T-3A camera from an altitude of 5,000 feet. A type F - 1A plane was used, piloted by Lieutenant J. F. Phillips with Captain A. W. Stevens as photographer.

The photographs which embrace this sheet consist of two parallel strips from SS 47 to SS 67 inclusive, running in a north and south direction. These were taken between one and two o'clock on the afternoon of December 14, 1931.

- (b) Included in the compilation is 20.1 square miles of area and 9.2 miles of river (less than 200 meters wide.)
- (c) Practically all of the eastern half of the area comprises the City of Sacramento. The northwest is devoted to orchards and truck gardens, while in the southwest there are pasture lands and larger cultivated areas. In general, the country is well developed.

2. CONTROL.

- (a) The control consists of first order triangulation established by J. Bowie, 1931; third order triangulation by L. P. Raynor in 1932 and 1933; also a third order traverse by L. P. Raynor in 1932 from the Sacramento State Capital Building on M Street to the Western Pacific Railroad, north on the railroad tracks to a point beyond the limits of the photographs. Traverse turning points are shown with red circles. All control is adjusted to the North American 1927 datum.
- (b) Two errors in control were noted, found by the photo plot. An instrument setup, (not recoverable) "N.W. End American River Bridge, 1933" had been computed as a weak three point fix. This point had been in error 29.5 meters in longitude and no meters in latitude. Station "SS 63 C," instrument setup near Shed and noted as "Shed, 1933" on the sheet was also in error, no reason having been given for the error in the recomputation. The new determination of position showed a discrepancy of 291.5 meters in latitude and 145.8 meters in longitude. In both cases the new position fit the radial plot.

(c) The control established by the U. S. Engineer Corps had been plotted. This, however, did not agree with the radial plot as determined from our own control and thus this former control was abandoned. The discrepancy was as much as five meters in some cases.

3. COMPILATION.

- (a) Only the radial line method of compilation was used.
- (b) Due to tilt, marked adjustment was required in the vicinity of the American River where the railroads and highway cross it. Tilt is present in photos SS 56 and SS 55 which cover this area. Only the important features are shown here, where the adjustment was made by selecting and intersecting additional control points.
- (c) Field inspection notes were complete in every detail. In some cases for the sake of clearness, dirt or unimproved roads are shown with a full line. All important roads and highways are noted as being paved. In any case where the type of road is not shown, an unimproved road is understood. Ditabes are shown in solid lines.

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(d) All detailed information shown was taken directly from the photographs. The Sanborn maps and the City engineer's map of the City of Sacramento were used in securing the names for the street layout. The Sanborn maps also served as a guide in inking the Southern Pacific R. R. yards in Sacramento.

4.

This sheet joins sheet No. 5008 on the south where the junction is satisfactory. There are no adjacent sheets on the north, east or west.

5. LANDMARKS.

Approved

No landmarks have been recommended by the field inspection party. However, from a study of the photographs it is known that there are at least two prominent landmarks, as follows:

Gas Tank	38° 34° 121° 30°		Sec letter 3x3(1953) dated Apr. 20, 1433
Tall Chimney	38° 35 121° 29	1064 558 meters 774 meters	for Landmarks T 5007

6.

No further surveys of this area are considered necessary at this time.

Respectfully submitted,

Leonard A. McGann.

Form 537a Ed. Nov., 1929

DEPARTMENT OF COMMERCE U. S. COAST AND GEODETIC SURVEY

U. S. COAST & GEODETIC SURV	
JAN 18 1934	REG. NO.
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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. 5009
State California
General locality Sacramento River
Locality Sacramento and Vicinity Photographs: Dec. 14, 1931. Compilation: June 30, 1933. Scale 1:10,000 Date of sarvey June 30, 1933.
Wesselv Army Air Corps F - 1A airplane, Capt. A. W. Stevens, Photographer
Chief of party
Sprogrammer Photographs plotted by: L. A. McGann La Ruchaum.
Inked by L. A. McGann La McGann
Heights in feet above to ground to tops of trees
Contour, Approximate contour, Form line intervalfeet
Instructions dated, 19
Remarks: Compilation of aerial photographs Nos. SS 47 - 67
inclusive; printed by photo-lithographic process.
(Polyconic projection by L. A. McGann Ca McLaunApril 18, 1933.
(" verified by J. H. Wulbern April 18, 1933. (Control plotted by L. A. McGenn C. a. Reckens April 19, 1933.
(Control plotted by L. A. McGenn Ca Rectann. April 19, 1933.
(W werified by H. E. MacEwen Hilliam S - April 19, 1933.

Title (Par. 56) Sacraments Row, Sacraments and Trainty, Chipmia.

Chief of Party O. S. Rading Compiled by L.a. Mc Hann

Project Sacraments San Japan Instructions dated

- 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 reeks, 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. The means that the chart of the chart o
- 8. The span, draw and electronice of bridges are shown, (Par. 16c.) for those in the Secretarian Rum. There was no date furnished for the budges in the American Rum.

 9. The data furnished by the Field Inspection is adequate, with the exception mustame in (8).

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.

M-10

- 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.) Rescriptions accounts the scale of the first of landmarks for charts was furnished on Form 567. and scale in of positions absoluted.

13. A list of landmarks for charts was furnished on Form 567. and soaling of positions checked. (Par. 16d, e, 60.) there were no landmarks
secondard in The Full on putting that two were selected by the
compiler and are there is listed in this report. > Letter 285 (1933)

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.)
- 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: This sheet was compiled in The Washington office.

20. Examined and approved:

Chief of Party

21. Remarks after review in office:

Reviewed in office by: Frank 9. Eisline 726. 26, 1934

Examined and approved;

K.T. Adams Chief, Section of Field Records

Chief, Division of Charts

Chief, Section of Field Work

Chief, Division of

Hydrography and Topography.

Survey No. <u>T-5009</u>
Chart No.

GEOGRAPHIC NAMES

Date. Dec. 14, 1934

HMS

								Police construct Black	
Names	approved	Dec.	14,	1934.	1/	0.	R	Diagram No	

- *, Approved by the Division of Geographic Names, Department of Interior.
- $\rlap/{c}$, 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
	Sacramento River	U.S.G.B. 6th Report			
	<u>Sacramento</u>	17			
	American River	U.S.G.S. Lovdal quadran	gle and long	usage	
	Bryte	-U.S.Postal Guide, 1934			
	Broderick	- "	<u>.</u>		
	Washington Lake	U.S.G.S.Lovdal Quad.			
	Sacramento Bend OK				•
•	Noonan Wharf OK				
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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.

-Field-Nor
REGISTER NO. 5009 A
StateCalifornia
General locality Sacramento River
Locality Sacramento
Scale, 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 intervalfeet
Instructions dated, 19, 19
Remarks: Corrections and additions to the original survey.
For additional data see the Descriptive Report.

DESCRIPTIVE REPORT TO ACCOMPANY AIR PHOTO TOPOGRAPHIC SHEET NO. 5009 A (to be included in Report for T-5009)

Sacramento, Sacramento River, California

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

Sources of Information:

Sheet No. 60 Air Photo Section files; chart letters 621 (1934) and 630 (1934).

Compilation:

Sheet No. 60 contained corrections resulting from a field inspection.

Chart letter No. 621 (1934) contained the clearances of the two bridges over the Sacramento River. It was noted that there is a greet difference between these clearances and those given in the "Lists of Bridges over Navigable Waters".

Chart letter 630 (1934) contained deletion notes on two lights.

Respectfully submitted.

Frank G. Euskine

Frank G. Erskine.

October 18, 1934.

Easile; There are no charts covering the area of this project except chart 5634 at the junction of the decrements and San Josquin Mivers. The following maps filed as Elusprints were furnished by the field party with corrections nade from field examination to show the names in local use and have been used in making the corrections to compilations on this project.

Cept. Seathers Map (1951)--52.- 25708

U.C.Q.S. _chadrangles \$20. --25708 to 25707

(See also chart letter No. 698 (1932)

Name lists are now boing propered under Mr. Macom'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.

Hotember 28, 1984

hand I Eiskine

Applied to brawing of Chart 5528. Jan 14, 1935 - JTW.