

5028

Rec'd June 25 1934

U. S. COAST & GEODETIC SURVEY  
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Ed. June, 1928

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

State: California

DESCRIPTIVE REPORT

Topographic | Sheet No. 5028  
~~Hydrographic~~

LOCALITY

Sacramento - San Joaquin Delta  
Roberts Island to Victoria Island.

1933

CHIEF OF PARTY  
L.P. Raynor.

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DEPARTMENT OF COMMERCE  
U. S. COAST AND GEODETIC SURVEY

REG. NO.

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 Letter \_\_\_\_\_

REGISTER NO. **T-5028**

State CALIFORNIA

General locality SACRAMENTO-SAN JOAQUIN DELTA

Locality ROBERTS ISLAND TO VICTORIA ISLAND

Scale 1:10,000 Date of photographs Dec. 19, 1931 & Jan. 3, 1932  
Date of compilation Nov. 4, 1932  
Date of survey \_\_\_\_\_

Vessel Army Air Corps F1A Airplane

Chief of Party Lieut. L. P. Raynor

Compiled by S.S. Whitehead

Surveyed by \_\_\_\_\_

Inked by K.B. Walker

Heights in feet above \_\_\_\_\_ to ground to tops of trees

Contour Approximate contour Form line interval \_\_\_\_\_ feet

Instructions dated August 2, 1933 and September 2, 1933

Remarks: Compiled from photographs Nos. 88 930 to 946, inc. and 979 to 994, inc. and 1033 to 1048, inc. Reduced to scale and printed by photo lithographic process.

JOB SHEET

T-5028

DESCRIPTION OF WORK	DONE BY	DATE COMPLETED
Polyconic Projection	<i>S.S. Whitehead</i> S.S. Whitehead	September 18, 1933
Projection verified	<i>K.B. Walker</i> K.B. Walker	September 18, 1933
Control Plotted	<i>S.S. Whitehead</i> S.S. Whitehead	September 20, 1933
Control Verified	<i>K.B. Walker</i> K.B. Walker	September 21, 1933
Compiled in pencil	<i>S.S. Whitehead</i> S.S. Whitehead	November 4, 1933
Inked	<i>K.B. Walker</i> K.B. Walker	December 26, 1933
Hachures and woodland symbol	<i>S.S. Whitehead</i> S.S. Whitehead	December 28, 1933
Proofreading	<i>T.P. Pendleton</i> T.P. Pendleton	January 21, 1934
Lettering Attached Various Members of Party		February 26, 1934
Descriptive Report	<i>S.B. Lane</i> S.B. Lane	February 26, 1934

PROJECT NO. H.T. 153

DESCRIPTIVE REPORT

To Accompany

SHEET NO. T-5028

ROBERTS ISLAND TO VICTORIA ISLAND

CALIFORNIA

L. P. Raynor, Lieut., C. & G.S., Chief of Party

#### GENERAL

For general information regarding this project, see report for sheet No. T-5027.

#### STATISTICS

Area of sheet, 31.1 square miles.

Length of rivers and sloughs, 15.1 miles.

In addition, there are 4.2 miles of slough not connected with the main waterways.

#### GENERAL INFORMATION

The entire area of this sheet is low, the land rarely exceeding an elevation of five feet above mean sea level, except at the levees.

The Borden highway crosses this sheet in an east and west direction. It is surfaced for the entire length shown with oil-macadam. The Garwood Road from the eastern edge of the sheet to its junction with the Borden Highway, and the Borden Highway west of that point, are part of the state highway system.

Middle River Bridge carries the Borden Highway from Roberts Island to Victoria Island, across Middle River. This is a steel truss bridge with a swing span.

Both east and west channels have a width of 105 feet.

The clearance of the bridge will be supplied by the hydrographic party.

#### TRANSMISSION LINE CROSSINGS OVER NAVIGABLE WATER

ACROSS	LOCATION	TOWERS OR POLES	CLEARANCE ABOVE IHW
Middle River	Fish Camp Landing	Wood	115 feet
Middle River	North of Trapper Slough	Wood	115 feet

The camps, shown and numbered, are usually groups of permanent structures, but are occupied seasonally as labor is required in the various localities.

#### SUBMARINE CABLE CROSSINGS

All underwater cable crossings noted by the field inspection party or by the photo compilation party are shown.

## PHOTOGRAPHS WHICH FALL ON THIS SHEET

North Flight: Nos. 930 to 946, inc.

Middle Flight: Nos. 979 to 994, inc.

South Flight: Nos. 1033 to 1048, inc.

The pictures of the north and middle flights were taken December 19, 1931 between 11:45 a.m. and 12:45 p.m. Those of the south flight were taken January 3, 1932 between 1:30 and 2:30 p.m.

## CONTROL

Trapper, Fish, and Holt were triangulated by J. Bowie in 1931. All other points were triangulated by L.P. Raynor in 1932 and 1933, except those marked "T.P.P." The latter are all theodolite three point fixes, are all not marked and not recoverable, and are shown on sheet by small circles. All have been adjusted to 1927 N.A. Datum.

The locations shown in the following table are the values used in the compilation of this sheet. U.S.G.S. points are so marked. They have been adjusted to 1927 N.A. Datum.

Triangulation positions used were from the  
Field computations and prior to the final office  
adjustment.  
Bg Jones

Note: In addition to objects listed on the opposite page the following recoverable objects are shown as topographic stations on this sheet:

<u>object</u>	<u>Approy. Lat.</u>	<u>Approy Long.</u>	<u>Remarks</u>
Wood Pole (Power Line Pole)	37°-53.4'	121°-26.4'	Not described

## TABLE OF CONTROL

DESCRIPTION	LATITUDE	LONGITUDE
△ TRAPPER, 1931	37 - 53 - 37.538	121 - 29 - 15.111
△ FISH, 1931	37 - 52 - 57.668	121 - 27 - 05.270
△ HOLT, 1931	37 - 56 - 02.382	121 - 25 - 51.930
△ Middle River, East of Three Wood Poles, 1932	37 - 54 - 26.94	121 - 30 - 18.53
△ Middle River, Middle of Three Wood Poles, 1932	37 - 54 - 25.32	121 - 30 - 22.28
△ Middle River, West of Three Wood Poles, 1932	37 - 54 - 22.68	121 - 30 - 28.54
*○ Fish Camp, U.S.G.S. Not described	37 - 52 - 58.51	121 - 27 - 24.38
*○ Kingston School. U.S.G.S. Not described	37 - 54 - 17.15	121 - 25 - 26.83
○ A.T. & S.F. Ry. opp. house. 3 Pt. Fix. Approximate Pos Recoverable. Not described.	37 - 56 - 03.13	121 - 23 - 20.79
○ 992 B 3 Pt Fix. Described on Form 524	37 - 53 - 53.63	121 - 29 - 44.55
○ 981 B 3 Pt. Fix. Described on Form 524	37 - 54 - 01.43	121 - 24 - 42.69
○ 945 B (T.P.P.) Three Pt Fix not described. Not recoverable	37 - 55 - 36.39	121 - 23 - 45.46
○ 988 C (T.P.P.) } 3 Pt Fives Not described	37 - 55 - 14.47	121 - 28 - 31.43
○ 933 D (T.P.P.) } and not recoverable	37 - 56 - 10.73	121 - 28 - 30.32
△ North Fish Camp Pole, 1933	37 - 53 - 29.29	121 - 26 - 22.18
○ 1039 A (T.P.P.) 3 Pt Fix Not described and not recoverable	37 - 52 - 17.34	121 - 28 - 02.82

## COMPILATION

Compilation was by the radial line method. The work was completed in pencil before being inked.

A good agreement in the location of the East Bay Municipal Utility District pipeline was secured with sheet T-4689A.

\* These U.S.G.S. stations were not connected to by triangulation and no position or description are on file in this office except as listed on this page. B.G. Jones



Note: The differences in location of detail at the junction with sheet 4689 at the North edge of this sheet have been investigated in the office. The plot has been checked across the junction using additional control available since the original plot of 4689 and the differences have been corrected. A detailed report of this re-plot will be given in the descriptive report for Sheet 4689 A.

*B.G. Jones*

Minor changes south of this line are shown as an overedge correction on sheet T-5028. East of Holt it was necessary to redraw part of sheet T-4689A to effect a satisfactory junction owing to the error in position of the A.T.& S.F. Ry. mentioned in the descriptive report of sheet T-5029. A traverse station established by Lieut L.P. Raynor occurs on sheet T-4689A and is shown on the overedge work.

It was not possible to carry the corrections to a complete junction owing to the limitation of marginal space.

#### LANDMARKS AND RECOVERABLE OBJECTS

For list of landmarks and recoverable objects see reference in general section of descriptive report for sheet T-5027

#### RECOMMENDATIONS

This sheet is believed to have a probable error of less than five meters in all places.

## REVIEW OF PHOTO TOPOGRAPHIC SURVEY NO. T-5028

Title (Par. 56)

Chief of Party L. P. Raynor

Compiled by

Project 153 H. &amp; T.

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.)

Yes

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".

Yes

3. The control and adjustment of the radial plot were adequate. (Par. 12, 29.)

Yes

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.) Maps from other sources were not used.

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.) These features, other than low water line, do not appear on this sheet. A general statement regarding water line appears Descriptive Report Sh. T-5027

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. No previous surveys for navigational use have been made,

8. The span, draw and clearance of bridges are shown. (Par. 16c.) These details appear in descriptive reports.

9. The data furnished by the Field Inspection is adequate.

Yes

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.)

Yes

- 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".

Yes

- 12. The descriptions of recoverable ~~points~~ <sup>points</sup> ~~points~~ were accomplished on Form 524, and scaling of positions checked. (Par. 29, 30 and 57.)

Yes

- 13. A list of landmarks for charts was furnished on Form 567 and scaling of positions checked. (Par. 16d, e, 60.) **Yes. This a duplicate of list supplied by L.P.Raynor with omitted positions scaled and a few additional marks.**

- 14. The geographic datum of the sheet is N.A., 1927 and the reference station is correctly noted. (Par. 34.)

Yes

- 15. Junctions with contemporary surveys are adequate.

Yes

- 16. Geographic names are shown on the sheet and are covered by the Descriptive Report. (Par. 64, 66k.) *Verified by H.M.S.*

Yes

*OK by HB*

- 17. The quality of the drafting is good. (Par. 31, 32, 33, 35, 36, 37, 38, 39, 40, 41, 42, 45, 46.) **Yes, except that black cekluloid ink was used throughout.**

- 18. No additional surveying is recommended.

- 19. Remarks:

- 20. Examined and approved:

*L.P. Raynor*  
 Chief of Party

*T.P. Pennington*  
 Chief Photo Compiler

- 21. Remarks after review in office:

Reviewed in office by: *B.G. Jones*

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

*L.O. Dolbut*  
 Chief, Division of Charts

*G.B. Gordon*  
 Chief, Section of Field Work

*W. H. Hilde*  
 Chief, Division of Hydrography and Topography.

GEOGRAPHIC NAMES

Date. Nov. 23, 1934

Chart No. \_\_\_\_\_

HMS *Names underlined in red approved Nov 23, 1934* Diagram No. \_\_\_\_\_

*H. Bacon*

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

⊘ 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>Roberts Island</u>				
					Entire area of this sheet north and east of Middle River is on Roberts Island. Roberts Island is the area enclosed by the San Joaquin and Middle Rivers, and is divided into a number of tracts. Suggest that name <u>Roberts Island</u> be placed northwest of Trappers Slough, and so spotted on the eastern portion of the sheet as to indicate that the entire area between middle River and the A.T. & Santa Fe R.R. is on Roberts Island.
	<u>Honker Lake Tract</u>				Local Usage and reliable maps
	<u>Upper Jones Tract</u>		"		
	<u>The Pocket</u>		"		
	<u>Drexler Tract</u>		"		
	<u>Victoria Island</u>		"		
	<u>Union Island</u>		"		
	<u>Trapper Slough</u>		"		
	<u>Victoria Canal</u>		"		
	<u>Middle River</u>		"		
	<u>North Canal</u> OK				Field Report
	<u>Fish Camp Slough</u> OK				Fish Camp landing shown at mouth of this slough on detailed maps.
	<u>Camp 23 and 24</u>				at junction of Trapper Slough and Middle River not as same location as on Chart of the Sacramento and San Joaquin Rivers, 1921, by Hutchison & Sons; and on the Weathers maps, various editions
	<u>Other Camps</u>				located the same as on maps consulted. Some of the Desc. Repts. state that the Camps are not permanent locations but are moved from time to time. OK They are not strictly loc. names and may be omitted from the verification H.B.
					For authorities consulted see DIP for T-5027 H.B.