

5140

Diag. Cht. No. 5530-4

5140

Form 504
Ed. June, 1928

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

State: California

DESRIPTIVE REPORT

Topographic } Sheet No. 5140
Hydrographic } #6

LOCALITY

South San Francisco Bay

Guadalupe River to Coyote
Creek

1931

CHIEF OF PARTY

G. C. Jones

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

HYDROGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY
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REG. NO. 5140

The Hydrographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 6

REGISTER NO. 5140

State California

General locality South San Francisco Bay

Locality Guadalupe River to Coyote Creek
~~Slough at Entrance South East End of Bay~~

Scale 1 - 10,000 Date of survey Aug. 6, to Sept. 4, 1931

Vessel Project No. 70

Chief of Party G. C. Jones

Surveyed by G. C. Jones and L. P. Raynor

Protracted by H. C. Applequist

Soundings penciled by H. C. Applequist

Soundings in ~~Yalons~~ feet

Plane of reference Mean Lower Low Water

Subdivision of wire dragged areas by

Inked by *[Signature]*

Verified by *[Signature]*

Instructions dated September 8, 1930

Remarks:

Descriptive Report to Accompany Hydrographic
Sheet, Field No. 6

Project #70.

Instructions Dated Sept. 8, 1930.

This sheet is made up entirely of sloughs at the head of South San Francisco Bay. None of these sloughs is of any great importance at present. Some effort is being made to improve Alviso Slough and Jagels Slough has been improved by straightening but no channel of consequence remains in the latter. A shell lime plant, a large cannery, and a few minor industries are located at Alviso and operate flat bottom scows up the slough at high tide. For that reason accurate tidal predictions are of more use to them at present than a complete survey. The South Shore Port Freight Co. operates a warehouse at the landing at the head of Jagels Slough known as South Shore Port. Their freight is also brought in on the tide.

The changes from previous surveys are principally due to the cutting off of sloughs as Gray Goose Slough by the railroad grade and the small sloughs on the peninsula of Pt. Calaveras by salt ponds.


The only new place name is South Shore Port. This is the name used locally for what is now shown on the chart as Jagels Landing.

Statistics

Miles
1,85.1

Soundings
5,397

Positions
984.


G. C. Jones,
Chief of Party.

LIST OF HYDROGRAPHIC SIGNALS USED ON

SHEET NO. 6

Triangulation Stations:

Mall	Mallard, 1931
Guad	Guadalupe, 1931
Cal	Calaveras Point Flashing Light, 1925
Goo	Goose, 1931
Tank	Tank, Bayside Canning Co., 1931
Black	Black Tank, Alviso, 1931
Raw	Red Tank, Drawbridge, 1931
Dob	East Gable, Double House on Marsh, 1931
Lar	Trans. Tower, Large Square, Not Tall, 1931
Bay	Tall Trans. Tower, Square Top, Pair No. 1 Across Bay, 1931
Ross	Tall Trans. Tower, Square Top, Pair No. 4 Across Bay, 1931
Dol	Tall Trans. Tower, North Side of Guadalupe Slough, 1931
Top	Tall Trans. Tower, Pointed Top, East Side of Jagels Slough, 1931
Tall	Tall Transmission Tower, East Side of Whisman Slough, 1931

No topographic stations used.

Section of Field Records

Surveyed in 1931

Report on H 5140 -

Chief of Party G. C. Jones.

Surveyed by G. C. Jones and L. P. Raynor

Abstracted by H. C. Kofflequist

Soundings plotted by H. C. A.

Verified and Inked by L. S. Straw.

1. The records conform to the requirements of the General Instructions
2. The plan and character of the development fulfills the requirements of the General Instructions
3. Sounding line crossings are adequate for this survey.
4. The usual depth curves can be completely drawn in areas of any importance, however, it is not possible to do this in some of the sloughs.
5. The field plotting was completed to the extent prescribed in the Hydrographic Manual.
7. It was not necessary to do over any part of the drafting done by the Field Party.
8. This sheet (H 5140) joins sheet (H 5139) which has not been verified it will therefore be taken up when (H 5139) is verified.
9. No further surveying is necessary.

To fully develop important areas within the limits of this sheet. 10. A little higher percentage of positions on this work were checked. due to many zig-zag sounding lines.

Respectfully Submitted

Feb. 20. 1932. L. S. Straw

SECTION OF FIELD RECORDS

Review of Hydrographic Sheet No. 5140
Guadalupe River to Coyote Creek, S. San Francisco Bay, Calif.
Surveyed in 1931
Instructions dated Sept. 8, 1930 (G. C. Jones)

Chief of Party - G. C. Jones.
Surveyed by - G. C. Jones and L. P. Raynor.
Protracted and soundings plotted by - H. C. Applequist.
Verified and inked by - L. S. Straw.

1. The records are complete and legible. The survey carries out the intention of the Instructions. A few unsounded sloughs are indicated but they all are bare at low tide and of no importance commercially.
2. The crossing of sounding lines are satisfactory. The usual depth curves have been drawn. An effort was made to indicate the deepest channels in the various sloughs many of which are dry or almost dry at low tide.
3. The junction with the contemporary survey sheet H. 5139 is satisfactory except at the entrance to Jagels Slough where there is some discrepancy in the overlapping area. The depths shown on this sheet inside the entrance which bares at low water, are probably pools just missed by the sounding lines plotted on sheet 5139. Both surveys were made at or near high water on Sept. 2nd and Sept. 8th respectively; the bottom is soft mud and probably unstable in the tidal currents.

A comparison with H. 2414 and H. 2415 (surveys of 1898) shows many changes in details. Jagels Slough is hardly recognizable; the channel has been straightened by ditching and the old winding channel is submerged in salt ponds. Indigo Slough entirely disappears under these improvements.

In the lower part of Coyote Creek there has been some silting but the most notable change has been in the shifting of the deep channels on either side of a broadening middle shoal. Most of the changes in the upper reaches of the sloughs can be traced to the effects of man-made changes and improvements, see also the air-photo-Topographic survey of this region. The old surveys in a few places are more complete than the new work but owing to the radical changes it is believed they should be entirely superseded by the recent survey, H. 5140.

4. No additional work in this area is deemed necessary for charting purposes.
5. Reviewed by - R. J. Christman, March 1932.

Inspected by - R. L. Johnston.

Approved: A. M. Sobieralski. (*signed*)

Field Records Section (Charts)

HYDROGRAPHIC SHEET No. ⁵¹⁴⁰.....

The following statistics will be submitted with the cartographer's report on the sheet:

Number of positions on sheet	984
Number of positions checked	541
Number of positions revised	12
Number of soundings recorded	5,397
Number of soundings revised	179
Number of signals erroneously plotted or transferred	0

Date: *Feb 20 - 1932*.....

Cartographer: *Ed Straw*.....

January 5, 1932.

Division of Hydrography and Topography:

✓ Division of Charts:

Tide Reducers are approved in
4 volumes of sounding records for

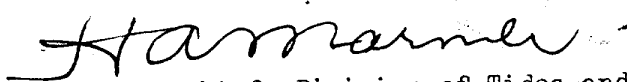
HYDROGRAPHIC SHEET 5140

Locality South San Francisco Bay, Calif.

Chief of Party: G. C. Jones in 1931
Plane of reference is mean lower low water, reading
3.0 ft. on tide staff at Palo Alto
11.7 ft. below B. M. 1
5.0 ft. on tide staff at Alviso
10.6 ft. below B.M. 1

Condition of records satisfactory except as checked below:

1. Locality and sublocality of survey omitted.
2. Month and day of month omitted.
3. Time meridian not given at beginning of day's work.
4. Time (whether A.M. or P.M.) not given at beginning of day's work.
5. Soundings (whether in feet or fathoms) not clearly shown in record.
6. Leadline correction entered in wrong column.
7. Field reductions entered in "Office" column.
8. Location of tide gauge not given at beginning of day's work.
9. Leadline corrections not clearly stated.
10. Kind of sounding tube used not stated.
11. Sounding tube No. entered in column of "Soundings" instead of "Remarks".
12. Legibility of record could be improved.
13. Remarks.



Acting Chief, Division of Tides and Currents.