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Diag. Cht. No. 5530-4

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Form 504

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

E. Lester Jones, Director

G. & G. SURVEY
L & A
June 19, 1928
Acc. No.

State: California.

DESCRIPTIVE REPORT

~~Topographic~~
Hydrographic } Sheet No. 4791

LOCALITY

Chian Basin, San Francisco Bay, ~~Calif.~~

1928

CHIEF OF PARTY

Paul C. Whitney, H. & G. Engineer

GOVERNMENT PRINTING OFFICE

S-100 IV

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DESCRIPTIVE REPORT TO ACCOMPANY SHEET SHOWING HYDROGRAPHY IN CHINA BASIN, SAN FRANCISCO, CALIF.

AUTHORITY:

The work done on this sheet is in accordance with general Instructions from the Director covering the operation of the San Francisco Field Station.

GENERAL DESCRIPTION:

The sheet shows changes in the vicinity of China Basin resulting from the building of pier 50 and preparations for the building of pier 48, as well as improvements in the channel just west of China Basin.

This area was sounded to secure more information than is shown on chart No.5535, as well as the present condition of dredging operations in this vicinity. Dredging operations were recently carried on in the channel between 3rd and 4th Streets, as the United Fruit Company's steamers are now running up to their newly leased marginal pier on the east side of the channel. It is contemplated that dredging will be done between 4th and 6th Streets in the future to about 18 feet at low water. Above 6th Street the channel is bare at low water, and no work here is contemplated.

CONTROL AND METHODS:

The hydrography was done by a party from the STR.PIONEER, working under Instructions from the Inspector of the San Francisco field Station. A section of Chart 5535 was used as a boat sheet. No position angles were taken, positions being referred to natural objects. For smooth sheet purposes the work was projected upon a map of the San Francisco Waterfront by the Board of State Harbor Commissioners, because of its larger scale. The smooth sheet was plotted by Herman Odessey, H.& G.E., at the San Francisco Field Station.

Tidal observations for this work were taken at Goat Island, and were transferred from the tidal record to pages 3 and 15 of the sounding record. The complete tidal record is contained in Vol.1, of tides for the survey of the shoal area east of Goat Island.

Probably refers to the map of S.F. Waterfront by Bd. of State Harbor Comm. Cons.

REMARKS:

Pier 50, shown in outline to the southward of China Basin ans the westward of Mission Rock, has been completed as shown on the present edition of Chart No. 5532. This correction was sent in on June 23, 1927. Preliminary filling operations for pier 48 are now in progress, and the area in this vicinity is therefore subject to change. It will probably be some time before pier 48 is ~~com-pleted,~~ started and it should not be shown on the chart.

Paul C. Whitney

Paul C. Whitney,
Comdr., U.S.Coast and Geodetic Survey,
Inspector.

(11)

Copy for Section of Field Records files. June 19, 1928.

Division of Hydrography and Topography:

Division of Charts:

Tide reducers are approved in
1 volumes of sounding records for

HYDROGRAPHIC SHEET 4791

Locality: SAN FRANCISCO BAY, CALIFORNIA

Chief of Party: O. W. Swainson, 1928.
Plane of reference is M L L W
1.5 ft. on tide staff at Goat Island.

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 each 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.

G Rude

Chief, Division of Tides and Currents.

IN REPLY ADDRESS THE DIRECTOR
U. S. COAST AND GEODETIC SURVEY
AND NOT THE SIGNER OF THIS LETTER

AND REFER TO No. 11-DRM

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON August 21, 1928.

SECTION OF FIELD RECORDS

Report on Hydrographic Sheet No. 4791

Examination of China Basin and Approach, San Francisco Bay

Surveyed in March, 1928

Chief of Party, P. C. Whitney.

Surveyed by J. A. Bond.

Plotted by H. Odessy.

Verified and inked by R. L. Johnston.

1. This examination was made under Instructions from the Inspector of the San Francisco field station. A map of the San Francisco Waterfront by the Board of State Harbor Commissioners was used for a smooth sheet.

2. No fixes were taken on this work, the positions being referred to natural objects. A section of chart 5535 was used as a boat sheet. This has apparently been lost. Therefore those positions, which were referred to the boat sheet for control, were accepted as plotted by the field party.

3. The work conforms to general instructions.

4. The records are satisfactory.

5. Reviewed by R. L. Johnston, August, 1928.

Inspected by

Approved:

Chief, Section of Field Records (Charts)

Chief, Section of Field Work (H. & T.)