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U. S. COAST & GEODETIC SURVEY
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DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

....., Director

State: California

DESCRIPTIVE REPORT

~~Topographic~~
Hydrographic

Sheet No. 629

LOCALITY

San Francisco Bay

1857-58

CHIEF OF PARTY

R. M. Cuyler, U.S.N.

629

COPY

File with Descriptive Report 629

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

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

AND REFER TO NO. **30-23**

WASHINGTON

September 21, 1931.

To: Chief, Division of Charts.

From: Chief, Division of Tides and Currents.

Subject: Datum of Soundings for Hydrographic Sheets

Nos. 421, 628, 629, 636 and 637.

Tide reducers used in the reduction of soundings on the above sheets have been checked with the tidal records on file with the following results:

The reducers for Hydrographic Sheets Nos. 421, 628, 629 and 636 appear to be referred to the plane of mean lower low water within the allowable error of 0.5 foot.

For Hydrographic Sheet No. 637, the reducers for hⁿ day check with observations at Dick Signal; iⁿ, jⁿ and nⁿ days with observations at Good Signal; and lⁿ day with observations at Calaveras Point. The reducers based on the observations at Calaveras Point appear to be referred to the plane of mean lower low water within the allowable error of 0.5 foot, while those based on the observations at Good Signal and Dick Signal where only 3 highs and 2 lows and 5 highs and 1 low, respectively, were observed, appear to be too high and are possibly in error by as much as a foot. However, the positions of planes based on such short series of tides would be very uncertain.

Since the datums used in these old surveys have not been preserved through bench marks, the exact relations between the old planes and the planes in use today cannot be determined.

(Signed) Paul C. Whitney

Chief, Division of Tides and Currents.

3 volumes of this sheet filed with H-628
S. H. S.
Oct. 1931