# 637

U S COAST & GEODETIC SURVEY
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Ed. June, 1928

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

, *Director*

*State:* California

# DESCRIPTIVE REPORT

~~*Topographic*~~
*Hydrographic* } *Sheet No.* 637

LOCALITY

San Francisco Bay

Steinbergen, Redwood City +

Ravenswood Creeks

~~*19*~~
*1858*

CHIEF OF PARTY

R. M. Guyler, U. S. N.

U. S. GOVERNMENT PRINTING OFFICE: 1930

COPY

File with Descriptive Report 637

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

AND REFER TO No. 30-E2

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

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 h" day check with observations at Dick Signal; i", j" and m" days with observations at Good Signal; and l" 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 8 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.

* This note refers to adg. volume "Kate Hayes, Feb 1858". The adgs in this volume were apparently taken in area covered by H 637 but can not be definitely connected with the adgs shown on the sheet. No record of the adgs on H 637 can be found. Amo. Oct 1931.

This volume is filed with H-636

(Signed) Paul C. Whitney

Chief, Division of Tides and Currents.