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Diag. Ch. No. 5402-1

<small>Form 504</small>	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., <i>Director</i>	
State: <u>California</u>	
DESCRIPTIVE REPORT	
Topographic Hydrographic	} Sheet No. 558
LOCALITY	
<u>Monterey Bay</u>	

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CHIEF OF PARTY	
<u>J. Alden</u>	

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December 14, 1926.

Hydrographic Sheet 558

Monterey Bay, California
by

James Alden, U. S. N., and Assistant, U. S. Coast Survey.

The sounding books for hydrographic sheet 558 could not be found by the Library and Archives, and without them it is impossible to make any verification of the plane of reference for the reduction of the soundings.

From a pencil memorandum on the sheet it appears that the plane used was mean lower low water which read 4.0 feet on some tide staff. The records of tide observations in Monterey Bay covering the dates of the soundings are available and a preliminary computation of the datum of lower low water gave 4.0 feet which corresponds to the pencil note on the sheet. A more recent computation from the same records gives 4.4 feet as the reading of mean lower low water on this tide staff. Assuming that the pencil memorandum on the sheet is correct the indications are that the plane used was approximately $\frac{1}{2}$ foot too low, but because of the uncertainties in the records no change is recommended unless there should be other reasons for modifying the soundings as given.

G. H. Rude
Chief,
Division of Tides and Currents.