

## FIELD TIDE NOTE

OPR-L123-PHP-87

San Francisco Bay, California (Items)

### Reductions

Soundings on the field sheet were reduced on the basis of predicted tides for San Francisco, Golden Gate, Presidio, Fort Point, Calif., station number 941-4290. Tide correctors were generated at 0.2 ft intervals using the PDF-8e computer system and program AM 500 "Predicted Tide Generator".

### Stations

Three permanent tide stations bracket the survey area. These three stations are operated by NOAA, Pacific Operations Group, N/OMA 1214. The gage at San Francisco, Fort Point 941-4290 is to the southwest of the survey area, Alameda (Alameda NAS) 941-4750 is to the south, and Port Chicago (Concord, Ca.) 951-5144 is to the east. Frequent checks with POG confirmed that there were no significant breaks in the data from these stations.

### Tide Zone Correctors

Predicted tides from the San Francisco, Fort Point tide gage were adjusted by the application of correctors supplied by NOAA, Office of Oceanography and Marine Assistance, Sea and Lake Levels Branch, Rockville, Md (N/OMA 121). These correctors accompany project instructions OPR-L123-PHP-87, dated 10 Feb. 1987, and Change No. 1 dated 20 March 1987.

The correctors used for this Field Exam Survey are as follows:


CHART 18649

ITEMS No. 190, 191, and 192

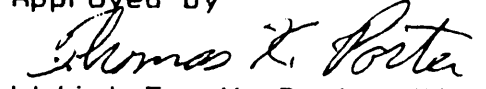
+ 0 hr. 25 min. High Water  
+ 0 hr. 36 min. Low Water  
X 1.03 Height Ratio

No survey data was acquired without the required tide support. Pacific Standard Time (120 W.) was used at the permanent stations operated by POG N/OMA 1214.

Submitted by

  
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Approved by

  
Lt(jg) Tom K. Porta, NOAA  
for Chief, PHP (N/MOP223)

Field processing used predicted tides for Fort Point, San Francisco, California. Office processing used approved hourly heights zoned from the San Francisco gage (941-4290).