

## Tide Correctors

The Final Field Sheets were plotted using predicted tides based on San Francisco, California. Four tidal corrector zones from the Tide Zone Chart are within this survey's limits. Only correctors from the most westerly zone (+4.30 hr HW, +5.15 hr LW, x 0.63 height ratio) were applied to all sounding data.

Approved water levels were requested from the Sea and Lake Levels Branch (N/OMA12) in a letter dated December 09, 1991. A copy of this letter is included in Appendix V\*(Tides and Water Levels).

Hydrography (including mainscheme, splits, and crosslines) which was acquired on different days and overlapped, often differed by up to 0.7 meters. These differences were particularly noticeable in Big Break, a large and shallow tract of flooded land. Overlapping hydrography, collected on different days and by the same vessel, clearly showed these differences. Launch personnel often noticed higher apparent tides than predicted, especially on days with strong westerly winds, during times of predicted low water. These differences are likely due to the predicted tide correctors, and should be eliminated when smooth tides are applied. *After smooth tides were applied, differences were generally between 0.1 to 0.2 meters with extreme cases of 0.3 meters.*

\* Filed with the hydrographic data.