

## G2. Tide Correctors

The tidal datum for this project is mean lower low water. The operating tide station at Pensacola, Florida (874-7437) served as control for datum determination and as a reference station for predicted tides. One tide station was established at Point Cadet, Biloxi, Mississippi (874-3735).

All hydrographic and diver-determined depths have been corrected for predicted tides. Correctors for time and height were taken from the project instructions.

Tidal correctors were applied on-line using the HDAPS predicted tides table. The tables used may be found in APPENDIX I.

On 22 May, 1989 the Point Cadet Tide Gauge was struck by a local research vessel. This caused the gauge and floatwell to rotate 180° and settle a fraction of a foot. The staff and the gauge themselves were undamaged and data was still collected. On 26 May, 1989 the gauge was repositioned and 3rd order levels were run to the tide staff. This leveling showed that the staff did not move. No least depths were taken between the dates 22-26 May; therefore, smooth tides data is not required for this time period. Closing levels were conducted on November 9, 1989, and the gauge was removed on November 12, 1989. A request for smooth tides was mailed on December 15, 1989. A copy of this request is included in Appendix I.