G2. Tidal Correctors

The tidal datum for this project is mean lower low water. The operating tide station at Pensacola, FL (872-9840) served as control for datum determination at all subordinate gauge sites and is also the reference station for predicted tides. The operating tide station at Bay Waveland Yacht Club, MS. (874-7437) provided additional control for datum determination at all subordinate gauges.

Predicted tides were generated by HDAPS using the 1988 NOS tide Tables with the following time and height correctors supplied in the project instructions:

HYDROGRAPHIC AREA	TIME CORRECTION HIGH WATER	TIME CORRECTION LOW WATER	HEIGHT RATIO (FT)
East of Long. 88° 28.0'	-1 hr 15 min	-1 hr 00 min	x1.14
West of Long. 88° 28.0' to 88° 45.0'	-1 hr 00 min	-0 hr 45 min	x1.22
West of Long. 88° 45.0' to 88° 55.0'	-0 hr 45 min	-0 hr 30 min	x1.30

Tide station 874-3735 was established at Cadet Point, Biloxi, MS by the NOAA Ship RUDE on April 4 (JD 95) to provide information on zoning, tidal datums (reducers), and harmonic constants for predictions.

STATION NUMBER	STATION NAME	LATITUDE	LONGITUDE
874-3735	Biloxi, Cadet Point	30° 23.4'	88° 51.4'

The gauge was located at the Cadet Point Marina adjacent to the berth of the research vessel TOMMY MUNROE, a Gulf Coast Research Facility research vessel. The gauge is a standard ADR gauge attached to the top of a six inch PVC floatwell. The gauge was inspected daily by a contract observer for malfunctions, none were reported.

Opening levels were run on April 4 (JD 95) to five previously established benchmarks. Scheduled operations ended on June 14 at which time the gauge was discontinued and closing levels run. See Appendix IG for a copy of the tide station report filed by the NOAA Ship RUDE.*

A request for smooth tides was made to N/MOA12 on June 28, 1988. See Appendix IG for a copy of the request.*