

D. TIDES INFORMATION

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:

<u>HYDROGRAPHIC AREA</u>	<u>TIME CORRECTION</u>		<u>HEIGHT RATIO (FT)</u>
	<u>HIGH WATER</u>	<u>LOW WATER</u>	
East of Long. $88^{\circ} 28.0'$	-1 hr 15 min	-1 hr 00 min	x1.14
West of Long. $88^{\circ} 28.0'$ to $88^{\circ} 45.0'$	-1 hr 00 min	-0 hr 45 min	x1.22
West of Long. $88^{\circ} 45.0'$ to $88^{\circ} 55.0'$	-0 hr 45 min	-0 hr 30 min	x1.30

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

<u>STATION NUMBER</u>	<u>STATION NAME</u>	<u>LATITUDE</u>	<u>LONGITUDE</u>
874-3735	Biloxi, Cadet Point	$30^{\circ} 23.4'$	$88^{\circ} 51.4'$

The gauge was located in the Point Cadet marina adjacent to the berthing of the research vessel TOMMY MUNROE belonging to the Gulf Coast Research Facility. The gauge is a standard ADR gauge attached to the top of a four inch PVC floatwell. The gauge was inspected daily by a contract observer for malfunctions. None were reported.

Opening levels were run on April 4, (DOY 95) to five previously established benchmarks.

(See Appendix IG for a copy of the tide station report filed by the NOAA Ship RUDE) Scheduled operations will end on June 10 at which time the gauge will be discontinued and closing levels run.

A request for smooth tides was made to N/MOA12 on June 3, 1988.
(See Appendix IG for a copy of the request)