

Field tide reduction of soundings is based on predicted tides from station 867-0870, Fort Pulaski, Georgia. The Product and Services Branch, Datums Section, N/OES231, provided predicted tides for this reference station on diskette for HDAPS. Correctors for five tidal zones on FE-431 were used as designated by the project instructions. The zones were numbered with the following correctors:

	<u>Time (min.)</u>		<u>Range Ratio</u>
	<u>High Water</u>	<u>Low Water</u>	
Zone # 5	+ 30 min	+ 30 min	x1.05
Zone # 7	+ 12 min	+ 12 min	x0.93
Zone # 8A	+ 48 min	+ 48 min	x1.05
Zone # 11	+ 30 min	+ 30 min	x1.02
Zone # 15	+ 54 min	+ 54 min	x1.08

There were periods of extreme water levels noted during hydrography that were weather induced, causing minor sounding differences. These variances will be corrected when smooth tides are applied. All elevations and soundings on survey FE-431 are based on MLLW unless otherwise specified. *Approved tides and zones were applied during office processing*

Approved tide levels were requested from the Product and Services Branch, Datums Section, N/OES23, in a letter dated March 6, 1997. A copy is appended to this report. *

All tides gauges required for survey FE-431 were NGWLMS gauges installed by Atlantic Hydrographic Party and Atlantic Operations Section personnel.