

C. VERTICAL AND HORIZONTAL CONTROL *See also the H-Cell Report.*

C.1 Vertical Control

The vertical datum for this project is Mean Lower-Low Water (MLLW). The operating National Water Level Observation Network (NWLON) station at Virginia Key, FL (872-3214) serves as datum control for Survey H11896. *Concur.*

OSI observed data gaps and vertical offsets in the preliminary water level data for the Virginia Key tide gauge and notified the COTR on January 17, 2009. OSI was informed that there was no reason to suspend survey operations. All data gaps and offsets were smoothed by CO-OPS and final verified tides were provided on the CO-OPS internet (WWW) site. A record of correspondence between OSI and the COTR is included in Appendix V. *Concur.*

The survey area is located entirely within Zone SA229 preliminary tidal zoning data included with the SOW. A time corrector of -60 minutes and a range ratio of 1.22 were applied to all Virginia Key (872-3214) verified water level data.

Verified tides with final tide zoning were applied by OSI. There were no significant water level errors or uncertainty observed in crossline data or final BASE surfaces. *Concur.*