

## **C. Vertical and Horizontal Control**

A complete description of the horizontal and vertical control for survey H12528 can be found in the OPR-J348-KR-13 Horizontal and Vertical Control Report (HVCR), submitted under separate cover. A summary of horizontal and vertical control for this survey follows.

### **C.1 Vertical Control**

The vertical datum for this project is Mean Lower Low Water.

#### Standard Vertical Control Methods Used:

Discrete Zoning

The following National Water Level Observation Network (NWLON) stations served as datum control for this survey:

<b>Station Name</b>	<b>Station ID</b>
Pascagoula NOAA Lab, MS	874-1533

*Table 10: NWLON Tide Stations*

<b>File Name</b>	<b>Status</b>
8741533.tid	Verified Observed

*Table 11: Water Level Files (.tid)*

<b>File Name</b>	<b>Status</b>
OPSREVISED_J348KR2013CORP	Final

*Table 12: Tide Correctors (.zdf or .tc)*

## **C.2 Horizontal Control**

The horizontal datum for this project is North American Datum of 1983 (NAD83).

The projection used for this project is NAD83 UTM Zone 16 North.

During survey operations, some Differential Global Positioning System (DGPS) outages from the primary beacon (293 kHz) occurred. The system was set up to automatically switch to the secondary beacon (295 kHz) when the primary signal was lost.

The following DGPS Stations were used for horizontal control:

<b>DGPS Stations</b>
English Turn, Louisiana (293 kHz)
Eglin, Florida (295 kHz)

*Table 13: USCG DGPS Stations*