C. Vertical and Horizontal Control

Additional information regarding the vertical or horizontal control for this survey can be found in the HVCR.

C.1. Vertical Control

The vertical datum for this survey is Mean Lower Low Water (MLLW). The operating National Water Level Observation Network (NWLON) station at Grand Isle, LA served as datum control for the short-term Texas Oil Platform, LA gauge. The operating water level station at Port Fourchon, LA also provides water level reducers for this survey. The Texas Oil Platform gauge was established and maintained throughout the survey by C & C Technologies' personnel.

Preliminary zoning was supplied by CO-OPS and revised by JOA Surveys, LCC. The geometry of the zoning was not changed but the zoning factors were modified to make them relative to the Texas Oil Platform gauge instead of Port Fourchon.

Station Name	Station ID
Port Fourchon	8762075
Grand Isle (NWLON)	8761724
Texas Gas Platform (Subordinate)	8763535

Table 12: Tide Stations.

File Name	Status
8763535.tid	Verified (Final smoothed)

Table 13: Water Level Files (.tid).

File Name	Status
K354KR2012_JOA_20130118.zdf	Final

Table 14: Tide Correctors (.zdf).

A request for final verified tides was sent to JOA on 12/24/2012. The final tides were received on 01/18/2013. JOA has maintained the CO-OPS preliminary zoning geometry, only having changed the tidal zoning factors.

C.2. Horizontal Control

The horizontal datum for this project is North American Datum of 1983 (NAD83). Fieldsheets are referenced to Universal Transverse Mercator (UTM) zone 15 N, meters.

All position data were acquired using one (1) of two (2) C-Nav 3050 receivers or using an F180 positioning/inertial motion unit with a DGPS correction provided by one (1) of two (2) C-Nav 3050 receivers.