C. Vertical and Horizontal Control

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

C.1 Vertical Control

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

ERS Datum Transformation

The following ellipsoid-to-chart vertical datum transformation was used:

Method	Ellipsoid to Chart Datum Separation File
ERS via VDATUM	OPR-K354-KR-2019_NAD83-MLLW_xGeoid17B.csar

Table 11: ERS method and SEP file

C.2 Horizontal Control

The horizontal datum for this project is North American Datum of 1983 (NAD 83).

The projection used for this project is Universal Transverse Mercator (UTM) Zone 15.

The following PPK methods were used for horizontal control:

- Smart Base

The following CORS Stations were used for horizontal control:

HVCR Site ID	Base Station ID
Abdalla Hall ULL	TONY
Franklin High Sch	FSHS
Eugene Island 337	DEV1
Cameron Parish Ct	CAMR
McNeese St Univ	MCNE
Amerada Pass	AMER
Calcasieu Pass	CALC

Table 12: CORS Base Stations

The following user installed stations were used for horizontal control:

HVCR Site ID	Base Station ID
OSI Freshwater Canal Locks	OSFL

Table 13: User Installed Base Stations