

C. Vertical and Horizontal Control

Additional information discussing the vertical or horizontal control for this survey can be found in the accompanying Horizontal and Vertical Control Report (HVCR) for Project OPR-K354-KR-18.

C.1 Vertical Control

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

ERS Methods Used:

ERS via VDATUM

Ellipsoid to Chart Datum Separation File:

OPR-K354-KR-2018_NAD83-MLLW_xGeoid17B.csar

C.2 Horizontal Control

The horizontal datum for this project is North American Datum 1983.

The projection used for this project is UTM Zone 15 North.

The following PPK methods were used for horizontal control:

Smart Base

Application of the Applanix POSPac Smart Base process is described in detail in the project HVCR.

The following CORS Stations were used for horizontal control:

| HVCR Site ID | Base Station ID |
|-------------------|-----------------|
| Calcasieu Pass | CALC |
| Eugene Island 337 | DEV1 |
| Abdalla Hall ULL | TONY |
| Franklin High Sch | FSHS |
| Amerada Pass | AMER |
| Lumcon | LMCN |
| Houma | HOUM |

Table 13: CORS Base Stations