

The CRMS program uses several types of hydrologic data recorder configurations depending on site-specific conditions. Details of each configuration can be found within the CRMS SOP which is available on the CRMS website within the Support Documents section. Hydrographic station naming conventions details are provided below:

CRMS0000-H01: Indicates a data sonde that is recording continuous hourly salinity, temperature, and water level data from an open water body like a bay, bayou or pond. Stations are established in open water that is hydrologically connected to the CRMS boardwalk in the nearby marsh or swamp. Sondes occasionally need to be relocated within a site due to sedimentation, damage or access issues. In this case, the station is given a new station ID (CRMS0000-H02, CRMS0000-H03, etc.) because it has been relocated and has different coordinates than CRMS0000-H01.

CRMS0000-W01: Indicates a data sonde that is recording continuous hourly salinity, temperature, and water level from a well inserted into the marsh surface at the CRMS boardwalk. Well stations are setup when there is no nearby open water suitable for an -H01 station. Note that water drains more slowly from wells and that salt may accumulate in the bottom of wells influencing the salinity data therefore, salinity data are not regularly used from these stations.

CRMS0000-M01: Indicates a data sonde that is recording continuous hourly water level from within a vertically moving marsh mat or floating marsh. The -M01 stations provide information about flood depth above the floating marsh surface. At CRMS sites with -M01 stations, water elevation and salinity data are recorded at the site's -H01 sonde located in nearby open water.

CRMS0000-H0X: Using 9 years of CRMS hydrologic data, a statistical analysis revealed that some pairs of stations were providing statistically equivalent data. In these cases, one hydrologic data sonde from the pair of equivalent stations was removed. Water level and salinity data from the remaining surrogate sonde is used to represent hydrology at both sites. The -H0X indicates a hydrologic station where the data sonde has been eliminated and surrogate data is being served in the database for the eliminated station's temperature, salinity, and water level. However, site-specific flooding is being calculated for the -H0X station using the observed marsh elevation at the CRMS site. All station substitutions were implemented in the database on October 1, 2019. Refer to the "Comments" (i.e., column AR) in the hydrographic hourly data for surrogate site information.

Basin	Eliminated Station_ID 10/1/19	Station_ID of surrogate 10/1/19	New Station_ID 10/1/19	New Station_ID Latitude	New Station_ID Longitude
BA	CRMS0176-H01	CRMS0174-H01	CRMS0176-H0X	29° 23' 50.173"	-89° 45' 55.767"
BA	CRMS0220-H01	CRMS0253-H01	CRMS0220-H0X	29° 33' 18.683"	-90° 4' 24.093"
TE	CRMS2881-H01	CRMS0411-H01	CRMS2881-H0X	29° 29' 52.597"	-90° 57' 4.664"
ME	CRMS1409-H01	CRMS0553-H02	CRMS1409-H0X	29° 50' 58.624"	-93° 0' 20.200"
ME	CRMS1446-H01	CRMS0590-H01	CRMS1446-H0X	29° 55' 59.545"	-92° 49' 39.185"
CS	CRMS2154-H01	CRMS0661-H01	CRMS2154-H0X	29° 50' 46.394"	-93° 37' 56.210"
CS	CRMS2156-H01	CRMS0669-H01	CRMS2156-H0X	29° 52' 52.290"	-93° 43' 38.285"