Data file description

January 6, 2012

These data were extracted from the Passaic River-Newark Bay EQuIS database by CDM for use on the public website OurPassaic.org.

Contained in this file (2010 CPG LPR-NB PWCM SAMPLING.zip) are both the field measurements and laboratory analytical data associated with physical water column monitoring surface water samples collected from locations in the Lower Passaic River and Newark Bay between May and July and in November 2010 at depths ranging from 1 foot to 59 feet below the surface. The data include laboratory results for both normal environmental (N) and field duplicate (FD) samples as indicated in the column titled "sample_type." Field measurements were recorded for salinity, suspended solids concentrations, dissolved oxygen, saturated dissolved oxygen, temperature, oxygen reduction potential, pH, specific conductivity, specific conductance, and turbidity. The water samples were analyzed by the laboratory for suspended solids concentrations, suspended solids, dissolved organic carbon, and particulate organic carbon. All of the results were considered to be reportable and included both concentrations detected above their respective laboratory reporting limits and non-detects. All of the results were initial result as indicated in the column titled "test_type." However, dilutions were required by the laboratory for several results, as indicated in the column titled "dilution_factor." Data validation was conducted; however, validation level is uncertain as samples were either listed as validated or not validated in the column titled "validation_level." . The qualifiers as provided by both the laboratory and the validator, where applicable, are presented. The data set includes only target results as provided by the laboratory; none of the data provided was based on calculations completed following receipt of the data from the laboratory, as identified in the column titled "result_type_code." Latitude and longitude coordinates are provided for each sample location.

The data are contained in a Microsoft Access database on the Analytical Results table. There are also a series of reference tables starting with "rt" that describe certain values used in the data set. Users have the ability to create their own queries for reviewing and analyzing these data. Please be aware that there are no relationships between the tables, since all of the data are contained on the Analytical Results table and the "rt" tables are provided simply for data definition.