Data file description

December 21, 2011

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 (2007-08 USEPA-MPI - EMBM SEDIMENT SAMPLES.zip) are the laboratory analytical data associated with sediment samples collected from locations in the Lower and Upper Passaic River, Saddle River, Second River, and Third River in 2007 and 2008 at depths ranging from zero to 274.32 centimeters (cm) below the surface. Samples included surface samples collected with an Ekman dredge, low resolution cores, and sediment trap samples. The data include laboratory results for both normal environmental (N) and field duplicate (FD) samples as indicated in the column titled "sample_type." The sediment samples were analyzed by the laboratory for dioxins and furans, polychlorinated biphenyls (PCBs), pesticides, metals, radionuclides, and polycyclic aromatic hydrocarbons (PAHs). All of the results were considered to be reportable and each result was an 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." The laboratory results included both concentrations detected above their respective laboratory reporting limits and non-detects. Varying levels of data validation were conducted. Select samples were subjected to partial Level 4 validation, while other samples did not undergo validation. The qualifiers as provided by both the laboratory and the validator, where applicable, are presented. The data set includes target results as provided by the laboratory as well as calculated results 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.

A detailed description of the sampling program can be found on the OurPassaic.org website using this link: http://passaic.sharepointspace.com/Public%20Documents/2008-11-05%20RM0-1%20Sediment%20Program.pdf