

Data Reduction Steps for Sediment Data

Starting with the CRA Ready = Yes and Representative_Ind = Yes or TBD Data set¹:

- Based on professional judgement, additional laboratory surrogate (SUR) records were identified and removed from the working dataset.
- Concentration units were standardized to match those of standards tables.
- Detect versus Nondetect records were identified.
- CAS numbers were standardized for some analytes.
- Uranium isotope data for U-234, U-235 and U-238 were matched up by location and sampling event and summed to create a new analyte Uranium Sum. This analyte was appended to the working dataset and processed similarly to analyzed U total.
- Standards, PRGs, and RFETS background statistics (M2SD) were matched up with each analytical record by CAS number.
- Detected concentrations were compared against background, PRGs, and standards.
- Descriptive statistics were run on the dataset by analyte.
- Custom datasets were created to make “Dot Maps” of the most recent data at each location.

¹ This data set is from all the sediment analytical data in SWD (identified as the Superset).