

Definition of column headings for sediment-trap collection-rate table

Column 1: *Sample ID* , All tube traps from LT-A have the notation “W” followed by a number in a sequence of use. The time series traps are identified by “W”XX-1 to “W”XX-13, reflecting the 13 bottles on the time-series traps. Traps from LT-B have the same type of notation except the identifying letters are “CA” or “S.”

Column 2: *Deployment Cruise*, W1-89 indicates the ship name (W = USCGC *White Heath*, MH = USCGC *Marcus Hannah*, CA = F/V *Christopher Andrew*), the sequential number of the cruise to Massachusetts Bay, and the year.

Columns 3, 4, 5, 6, 7: *Date deployed, date recovered, number of days deployed, latitude, longitude.*

Column 8: *Location comments*, brief description of the gear on which the trap was mounted.

Column 9: *Trap type*, See text for description of Tube Trap and Time-Series Trap.

Column 10: *Poison type*, Traps were deployed with “No Poison,” “Azide” = 5-percent sodium azide (NaN_3), or “Formalin” = 2-percent buffered formalin in sea water with 35 g/kg NaCl added for increased density.

Column 11: *Meters above bottom*, indicates the height of the trap opening above the sea floor.

Column 12: *Area of trap opening*, calculated from the measured internal diameter of the trap in m^2 .

Column 13: *Sample comments*, explanation of any abnormalities concerning the trap.

Column 14: *Calculated total salt-free dry sediment in trap < 1mm, in grams*. Zooplankton, and organic debris > 1mm are sieved out of the trap sample to facilitate splitting. The salt content is calculated from the salinity of overlying water and the weight loss on drying. Weight of salt is subtracted from the sample weight.

Column 15: *Calculated salt-free dry sediment collection rate <1mm, $\text{grams/m}^2/\text{day}$* .. This is the average rate of sediment collection during the deployment period.