

TABLE 3-1

Summary of Sediment Physical Characteristics
Gowanus Canal Remedial Investigation
Brooklyn, New York

Surface Sediment Data	Canal Surface Sediment			Reference Area Surface Sediment		
	Minimum	Maximum	Average	Minimum	Maximum	Average
Total Organic Carbon (mg/kg)	25,100	137,000	64,385	2,980	43,400	28,358
Percent Sand	10.2	58.5	39.0	9.7	43.6	28.1
Percent Silt	35.0	74.5	52.1	44.4	71.7	56.8
Percent Clay	4.9	15.4	8.9	12.1	20.7	15.2
Total Percent Fines	41.5	89.9	61.0	56.4	90.3	71.9
Percent Solids	25.7	77.9	35.5	27.3	69.5	40.9
Sulfide (mg/kg)	50.6	8,790.0	3,448.2	383.0	2,160.0	1,167.2
Sediment Core Data	Soft Sediment			Native Sediment		
	Minimum	Maximum	Average	Minimum	Maximum	Average
Total Organic Carbon (mg/kg)	730	490,000	119,650	550	168,000	18,677
Percent Sand	10.2	79.6	34.7	0.0	100.0	51.2
Percent Silt	18.4	69.6	54.4	0.0	81.2	38.4
Percent Clay	1.2	24.0	10.9	0.0	74.4	10.4
Total Percent Fines	20.4	89.8	65.3	0.5	100.0	49.3
Percent Solids	25.2	98.9	53.8	48.1	91.1	81.2
Sulfide (mg/kg)	184.0	8,330.0	3,908.6	7.6	7,300.0	144.7
Bulk Density (g/cm³)	0.31	1.98	0.83	0.59	2.1	1.5

Notes:

Statistics were generated using 1/2 the detection limit for non-detected results

Statistics for surface sediment were generated using only USEPA 2010 data.

Total percent fines is the sum of percent silt and percent clay.

Total Organic Carbon and Percent Solids summary statistics for soft sediment from sediment cores were calculated using the USEPA 2010 and National Grid 2005 data sets. The summaries for native sediment were determined using only the USEPA 2010 data set.

Sulfide and Total Percent Fines summary statistics for soft and native sediment for sediment cores were determined using only the USEPA 2010 data set.

Bulk density for soft sediment was determined using only the National Grid 2005 data set. This parameter was not measured in the 2010 investigation. Bulk density values for native sediment were obtained from GEI (2007).

mg/kg = milligram per kilogram

g/cm³ = grams per cubic centimeter