

Table 9. Sediment quality guidelines.

Contaminant	ER-L (mg/Kg) ¹	ER-M (mg/Kg) ²	USEPA (mg/Kg) ³	Lined Landfill (mg/Kg) ⁴
Arsenic	8.2	70	3-8	40
Cadmium	1.2	9.6	-	80
Chromium	81	370	22-75	1,000
Copper	34	270	25-50	-
Lead	46.7	218	40-60	2,000
Mercury	0.15	0.71	-	10
Nickel	20.9	51.6	20-50	-
Zinc	150	410	90-200	-
PCBs	22.7 ug/kg	180 ug/kg	-	<2
PAHs	-	-	-	100
TPHs	-	-	-	5,000
Total Phosphorus	-	-	420-650	-

1 = Effects Range Low, Long and Morgan, 1995

2 = Effects Range Medium, Long and Morgan, 1995

3 = Great Lakes Criteria for unpolluted (lower limit) and severely polluted (upper limit) USEPA, 1977

4 = Interim Policy (COMM-94-007) for Sampling, Handling and Tracking Requirements for Dredged Sediment Reused or Disposed at Massachusetts Permitted Landfills, MADEP, 2000