

Table 5-6
Parameters for Estimating Chemical Intake from Incidental Ingestion of Contaminants in Sediment

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Parameter	Description	Units	Intake Value ^a
C _S	Chemical concentration in sedime	mg/kg	Chemical-specific
IR _S	Sediment ingestion rate	mg/day	200
EF	Exposure frequency	days/year	260 ^b
ED	Exposure duration	years	6
BW	Body weight	kg	46.5 ^c
AT	Averaging time	years	70 (cancer effects) 6 (noncancer effects)

Notes:

^a Source is EPA, December 1989, unless otherwise noted.

^b Professional judgment. Based on a swimming frequency of 5 days a week, 52 weeks a year.

^c EPA, 1997.

mg/kg = milligrams per kilogram

mg/day = milligrams per day

kg = kilograms

Table 5-7
Parameters for Estimating Chemical Intake from Dermal Contact with Contaminants in Sediment

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Parameter	Description	Units	Intake Value ^a
C _S	Chemical concentration in sediment	mg/kg	Chemical-specific
SA	Exposed skin surface area	cm ²	1,360 ^b
AF	Sediment adherence factor	mg/cm ²	1.0 ^c
ABS	Fraction of chemical absorbed from sediment to	unitless	Chemical-specific
EF	Exposure frequency	days/year	260 ^d
ED	Exposure duration	years	6
BW	Body weight	kg	46.5 ^b
AT	Averaging time	years	70 (cancer effects) 6 (noncancer effects)

Notes:

^a Source is EPA, December 1989, unless otherwise noted.

^b EPA, 1997.

^c EPA, January 1992.

^d Professional judgment. Based on a swimming frequency of 5 days a week, 52 weeks a year.

mg/kg = milligrams per kilogram

cm² = square centimeters

mg/cm² = milligrams per square centimeter

kg = kilograms