

Table 5-4
Parameters for Estimating Chemical Intake from Incidental Ingestion of Contaminants in Surface Water

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Parameter	Description	Units	Intake Value ^a
C _w	Chemical concentration in surfac	mg/L	Chemical-specific
IR _w	Surface water ingestion rate	L/day	0.05
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/L = milligrams per liter

L/day = liters per day

kg = kilograms

Table 5-5
Parameters for Estimating Chemical Intake from Dermal Contact with Contaminants in Surface Water

Bellows OU1 EE/CA, Bellows AFS, Hawaii

Parameter	Description	Units	Intake Value ^a
C _w	Chemical concentration in surfac	mg/L	Chemical-specific
SA	Exposed skin surface area	cm ²	1,360 ^b
Kp	Dermal permeability coefficient	cm/hr	Chemical-specific
EF	Exposure frequency	days/year	260 ^c
ED	Exposure duration	years	6
ET	Exposure time	hours/day	2.6 ^d
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 Professional judgment. Based on a swimming frequency of 5 days per week, 52 weeks per year.

^d EPA, January 1992.

mg/L = milligrams per liter

cm² = square centimeters

cm/hr = centimeters per hour

kg = kilograms