

**Table 5-28**  
**Calculated Chemical Intake and Resulting Hazard Quotients for the Hawaiian Stilt, Waimanalo Stream (WSU)**  
*Bellows OU1 EE/CA, Bellows AFS, Hawaii*

Chemical Group	Chemical	Sediment	Fish	Fish Fraction	Sediment	SUF	IR	RTV	CI	HQ
		Concentration (mg/kg)	Concentration (mg/kg)		Fraction					
PEST/PCB	4,4'-DDD	0.0039	R	0.90	0.10	1.0	0.11	0.52	--	--
PEST/PCB	4,4'-DDE	0.0021	0.015	0.9	0.1	1	0.1	0.13	1.506E-03	1.158E-02
PEST/PCB	4,4'-DDT	0.058	0.0013	0.9	0.1	1	0.1	0.10	7.597E-04	7.597E-03
PEST/PCB	Aldrin	0.0013	6.69E-04	0.9	0.1	1	0.1	1.0	7.983E-05	7.983E-05
PEST/PCB	Aroclor-1260	0.0038	0.054	0.9	0.1	1	0.1	1.8	5.371E-03	3.018E-03
PEST/PCB	Chlordane (Alpha)	0.006	0.0058	0.9	0.1	1	0.1	2.1	6.370E-04	2.977E-04
PEST/PCB	Chlordane (Gamma)	0.0075	0.0015	0.9	0.1	1	0.1	2.1	2.285E-04	1.068E-04
PEST/PCB	Dieldrin	0.0036	0.028	0.9	0.1	1	0.1	0.080	2.816E-03	3.520E-02
PEST/PCB	Endosulfan I	0.00066	0.0023	0.9	0.1	1	0.1	10	2.312E-04	2.312E-05
PEST/PCB	Endosulfan II	0.0017	0.0035	0.9	0.1	1	0.1	10	3.661E-04	3.661E-05
PEST/PCB	Endosulfan sulfate	0.015	0.0025	0.9	0.1	1	0.1	10	4.068E-04	4.068E-05
PEST/PCB	Endrin	0.0014	0.0015	0.9	0.1	1	0.1	0.30	1.620E-04	5.401E-04
PEST/PCB	Endrin aldehyde	0.0058	0.0054	0.9	0.1	1	0.1	0.30	5.885E-04	1.962E-03
PEST/PCB	Heptachlor	0.019	5.51E-04	0.9	0.1	1	0.1	0.080	2.612E-04	3.265E-03
PEST/PCB	Heptachlor epoxide	0.0026	0.0076	0.9	0.1	1	0.1	0.0023	7.737E-04	3.364E-01
PEST/PCB	Methoxychlor	0.024	0.0015	0.9	0.1	1	0.1	220	4.084E-04	1.856E-06
PEST/PCB	gamma-BHC (Lindane)	0.013	9.45E-04	0.9	0.1	1	0.1	4.0	2.344E-04	5.860E-05
METALS	Arsenic	5.8	1.3	0.9	0.1	1	0.1	5.1	1.944E-01	3.782E-02
METALS	Barium	103	14	0.9	0.1	1	0.1	21	2.521E+00	1.210E-01
METALS	Cadmium	1.4	0.13	0.9	0.1	1	0.1	1.5	2.832E-02	1.953E-02
METALS	Chromium	220	11	0.9	0.1	1	0.1	10	3.495E+00	3.426E-01
METALS	Copper	85.2	72	0.9	0.1	1	0.1	47	8.011E+00	1.704E-01
METALS	Lead	11.3	1.8	0.9	0.1	1	0.1	8.1	3.003E-01	3.708E-02
METALS	Manganese	1390	179	0.9	0.1	1	0.1	977	3.269E+01	3.346E-02
METALS	Mercury	0.06	0.060	0.9	0.1	1	0.1	0.32	6.550E-03	2.047E-02
METALS	Nickel	151	9.7	0.9	0.1	1	0.1	15	2.596E+00	1.677E-01
<b>METALS</b>	<b>Selenium</b>	<b>1.06</b>	<b>11</b>	<b>0.9</b>	<b>0.1</b>	<b>1</b>	<b>0.1</b>	<b>0.40</b>	<b>1.074E+00</b>	<b>2.685E+00</b>
METALS	Silver	0.85	0.087	0.9	0.1	1	0.1	2.1	1.776E-02	8.377E-03
METALS	Vanadium	166	11	0.9	0.1	1	0.1	11	2.897E+00	2.542E-01
METALS	Zinc	122	121	0.9	0.1	1	0.1	15	1.321E+01	9.110E-01

**Notes:**

Bold and shading indicate that the concentration exceeds a hazard quotient of 1.  
All concentrations are given in dry weight.

- SUF = site use factor
- IR = ingestion rate
- RTV = reference toxicity value
- CI = chemical intake
- HQ = hazard quotient
- NTV = no toxicity value
- R = rejected value

PEST/PCB = pesticides/polychlorinated biphenyls

mg/kg = milligrams per kilogram