

Table 6.11. 1995 chemical hazard quotients (HQs) for metals and estimated dose/chronic daily intake (I/CDIs) for carcinogens in fish^a

Parameters	Sunfish					Catfish		
	CRK 84 ^b	CRK 80 ^c	CRK 66 ^d	CRK 32 ^e	CRK 16 ^f	PCK 2.2 ^g	CRK 32 ^e	CRK 16 ^f
<i>HQs for metals</i>								
Arsenic		~2.4E+00		~2.8E+00	~2.5E+00	~2.4E+00	2.8E+00	
Chromium	2.8E-02	2.6E-02	3.1E-02	2.8E-02	3.6E-02	2.5E-02	3.1E-02	1.1E-02
Copper	8.1E-03	6.1E-03	4.8E-03	1.0E-02	8.7E-03	8.7E-03	8.7E-03	1.5E-02
Lead					~1.7			
Mercury	1.4E+00	1.7E+00	1.4E+00	3.4E+00	3.6E+00	5.9E+00	3.6E+00	1.8E+00
Nickel		~7.7E-03						
Selenium		~1.5E-01		~1.9E-01	~1.5E-01	~1.5E-01		2.1E-01
Silver					~1.6E-02	~1.6E-02		
Thallium				1.0E-01	8.5E-02	1.9E-01	4.0E-02	4.0E-02
Uranium						~4.7E-04		
Zinc	6.0E-02	6.4E-02	6.9E-02	4.7E-02	6.0E-02	5.2E-02	2.9E-02	3.0E-02
<i>I/CDIs for carcinogens (pesticides and PCBs)</i>								
4,4'-DDE					~1.5E+00	~4.8E-01		
Dieldrin				~1.1E+02	~1.2E+02			
Aroclor-1248				~2.4E+01				
Aroclor-1254		~2.2E+02	~2.3E+02	~2.5E+02	~2.2E+01	~2.4E+02		
Aroclor-1260	~4.6E+02	~4.6E+02			~2.7E+01	~1.2E+02	~3.9E+02	5.0E+02

^a A tilde “~” indicates that estimated values and/or detection limits were used in the calculation.

^b Melton Hill Reservoir, above all DOE inputs, Anderson Country Filtration Plant.

^c Melton Hill Reservoir, Oak Ridge Marina, above ORNL.

^d Melton Hill Reservoir, above the city of Oak Ridge intake.

^e Clinch River, downstream of ORNL.

^f Clinch River, downstream of all DOE inputs.

^g Poplar Creek, downstream of the K-25 Site.