

Effect of Increasing hardness on Fresh Water Acute Water Quality Standards
Reference: WAC 173.201A.040

Copper - Fresh water Acute

Exp	→ (0.9422)	Hardness, mg/l	(ln hardness)	→ (1.464)	< Exp	e ^x	WQC @ this hardness (ug/l)
0.98	0.9422	10	2.944438978	1.464	1.91023	3.707102	3.6
0.98	0.9422	42	3.737689818	1.464	2.057632	7.827415	7.5
0.98	0.9422	47	3.850147802	1.464	2.153609	8.702489	8.4
0.98	0.9422	48	3.871201011	1.464	2.183446	8.87884	8.5
0.98	0.9422	110	4.700480366	1.464	2.984793	19.39088	18.8

Zinc - Fresh water Acute

Exp	→	Hardness, mg/l	(ln hardness)	→	< Exp	e ^x	WQC @ this hardness, ug/l
0.978	0.8473	10	2.944438978	0.8604	3.355223	28.652	25.0
0.978	0.8473	42	3.737689818	0.8604	4.027327	58.11075	54.9
0.978	0.8473	47	3.850147802	0.8604	4.12263	61.72136	60.4
0.978	0.8473	48	3.871201011	0.8604	4.140469	62.83226	61.4
0.978	0.8473	110	4.700480366	0.8604	4.843117	126.8642	124.1

Post-it Fax Note 7671 Date 14 Feb 02 # of pages 2

To RICK FOU LIN From P. WILLING

Co./Dept. Co.

Phone # Phone #

Fax # 206 860 4187 Fax #

