

Effect of increasing hardness on Fresh Water Acute Water Quality Standards
Reference: WAC 173.201A.040
Copper - Fresh water Acute

Exp ->	Hardness, mg/l	ln hardness	< Exp	e*x	WQC @ this hardness (ug/l)
0.98	0.9422	19	1.464	1.31025	3.707102
0.98	0.9422	42	1.464	2.057632	7.827416
0.98	0.9422	47	1.464	2.163609	8.702489
0.98	0.9422	48	1.464	2.183446	8.87684
0.98	0.9422	110	1.464	2.964793	19.39088

Zinc - Fresh water Acute

Exp ->	Hardness, mg/l	ln hardness	< Exp	e*x	WQC @ this hardness (ug/l)
0.978	0.8473	19	0.8604	3.356223	28.652
0.978	0.8473	42	0.8604	4.027327	58.11075
0.978	0.8473	47	0.8604	4.12263	61.72136
0.978	0.8473	48	0.8604	4.140469	62.83228
0.978	0.8473	110	0.8604	4.843117	126.8642

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Exhibit	358
Date	2/15/02
Witness	Willing
Diene Mills, Court Reporter	