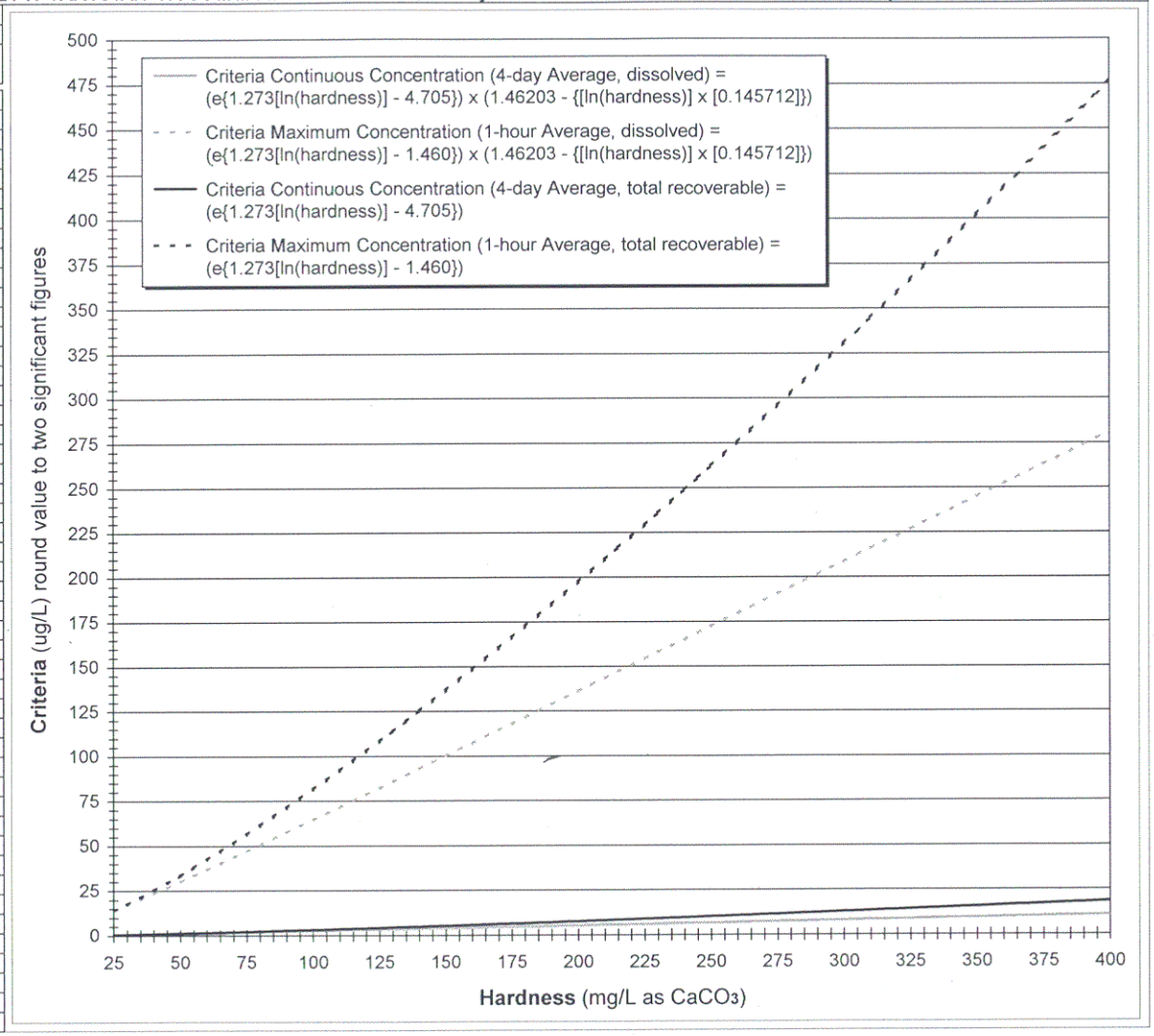
WATER QUALITY LIMITS FOR CONSTITUENTS AND PARAMETERS
FRESHWATER AQUATIC LIFE - LEAD

Hardness (mg/L as $CaCO_3$)	California Toxics Rule and USEPA National Recommended Water Quality Criteria to Protect Freshwater Aquatic Life			
	Lead (ug/L)			
	Dissolved		Total Recoverable	
	Continuous Conc. 4-day Average	Maximum Conc. 1-hour Average	Continuous Conc. 4-day Average	Maximum Conc. 1-hour Average
< 25	use formula	use formula	use formula	use formula
25	0.54	14	0.54	14
30	0.66	17	0.69	18
35	0.79	20	0.84	21
40	0.92	24	0.99	25
45	1.0	27	1.2	30
50	1.2	30	1.3	34
55	1.3	33	1.5	38
60	1.4	37	1.7	43
65	1.6	40	1.8	47
70	1.7	44	2.0	52
75	1.8	47	2.2	57
80	2.0	51	2.4	61
85	2.1	54	2.6	66
90	2.2	58	2.8	71
95	2.4	61	3.0	76
100	2.5	65	3.2	82
110	2.8	72	3.6	92
120	3.1	79	4.0	100
130	3.3	86	4.4	110
140	3.6	93	4.9	130
150	3.9	100	5.3	140
160	4.2	110	5.8	150
170	4.5	110	6.3	160
180	4.7	120	6.7	170
190	5.0	130	7.2	180
200	5.3	140	7.7	200
210	5.6	140	8.2	210
220	5.9	150	8.7	220
230	6.2	160	9.2	240
240	6.4	170	9.7	250
250	6.7	170	10	260
260	7.0	180	11	280
270	7.3	190	11	290
280	7.6	190	12	300
290	7.8	200	12	320
300	8.1	210	13	330
310	8.4	220	13	340
320	8.7	220	14	360
330	9.0	230	15	370
340	9.3	240	15	390
350	9.5	240	16	400
360	9.8	250	16	420
370	10	260	17	430
380	10	270	17	450
390	11	270	18	460
400	11	280	19	480
> 400	11	280	19	480



From References 17 and 26.