

Appendix C. Table 5. Copper - Phase II APMP Porewater and Sediment Results at Lake Nicasio, 2003.

StationCode	StationName	SampleDate	MediumName	ApplicationTime	Units	SampleTypeCode	StationTreatment	Species	TestDuration	% Fines	% Gravel	% Sand	Percent Moisture	Percent Solids	TOC	Cu, dry wt	Cu, Dissolved	Nitrate/Nitrite as N	Total Kjeldahl Nitrogen	Mean Growth	Mean Growth - Standard Deviation	Percent Survival	Percent Survival - Standard Deviation
N-07	Lake Nicasio	5/27/2003	Sediment	Pre-App		Integrated	Treated			35.7	0	64.3	80.6	19.4	0.59	30		ND	410				
N-07	Lake Nicasio	5/27/2003	Porewater	Pre-App		Integrated	Treated										0.0043						
N-07	Lake Nicasio	5/27/2003	Sediment	Pre-App		Duplicate	Treated			31.4	0	68.6	36.5	63.5		31.3							
N-07	Lake Nicasio	5/27/2003	Porewater	Pre-App		Duplicate	Treated										0.0072						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.324	0.036	100	0
N-07	Lake Nicasio	5/27/2003	Sediment	Pre-App		Integrated	Treated	Hyalella azteca	10 days											0.236	0.057	94	0.12
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	28 days											0.518	0.073	93	0.07
N-07	Lake Nicasio	5/27/2003	Sediment	Pre-App		Integrated	Treated	Hyalella azteca	28 days											SIGG 0.369	0.035	89	0.15
N-05	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Treated			86.2	0	13.8	61.7	38.3	2.4	106		ND	650				
N-05	Lake Nicasio	5/29/2003	Porewater	Pre-App		Integrated	Treated										0.0028						
N-05	Lake Nicasio	5/29/2003	Sediment	Pre-App		Duplicate	Treated						62.3	37.7	2.4	108		ND	650				
N-05	Lake Nicasio	5/29/2003	Porewater	Pre-App		Duplicate	Treated										0.0073						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.324	0.149	100	0
N-05	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Treated	Hyalella azteca	10 days											0.241	0.022	99	0.04
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.324	0.149	100	0
N-05	Lake Nicasio	5/29/2003	Sediment	Pre-App		Duplicate	Treated	Hyalella azteca	10 days											SIGG 0.201	0.021	96	0.05
N-06	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Treated			43.8	0	56.2	80	20	1.2	40.5		ND	640				
N-06	Lake Nicasio	5/29/2003	Porewater	Pre-App		Integrated	Treated										0.0029						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.324	0.149	100	0
N-06	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Treated	Hyalella azteca	10 days											0.229	0.042	99	0.04
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	28 days											0.518	0.073	93	0.07
N-06	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Treated	Hyalella azteca	28 days											SIGG 0.371	0.068	94	0.07
N-11	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Reference			79.5	0	20.5	49.4	50.6	1.9	59.2		ND	ND				
N-11	Lake Nicasio	5/29/2003	Porewater	Pre-App		Integrated	Reference										0.0022						
N-11	Lake Nicasio	5/29/2003	Sediment	Pre-App		FieldBlank	Reference						73.4	26.6					ND	ND			
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.324	0.149	100	0
N-11	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Reference	Hyalella azteca	10 days											SIGG 0.208	0.025	98	0.05
N-13	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Reference			95	0	5	53.5	46.5	2.2	52		ND	720				
N-13	Lake Nicasio	5/29/2003	Porewater	Pre-App		Integrated	Reference										0.0019						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.324	0.149	100	0
N-13	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Reference	Hyalella azteca	10 days											0.233	0.069	91	0.14
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	28 days											0.518	0.073	93	0.07
N-13	Lake Nicasio	5/29/2003	Sediment	Pre-App		Integrated	Reference	Hyalella azteca	28 days											SIGG 0.327	0.046	84	0.35
N-05	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated			54.7	45.3	0	59	41	2.7	93.3		ND	670				
N-05	Lake Nicasio	7/8/2003	Porewater	2	weeks	Integrated	Treated										0.0069						
N-05	Lake Nicasio	7/8/2003	Sediment	2	weeks	FieldBlank	Treated						4.8	95.2	ND	<RL		ND	ND				
N-05	Lake Nicasio	7/8/2003	Porewater	2	weeks	FieldBlank	Treated										NA						
N-05	Lake Nicasio	7/8/2003	Sediment	2	weeks	Duplicate	Treated			NA	NA	NA											
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.174	0.059	89	0.12
N-05	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated	Hyalella azteca	10 days											SIGG 0.111	0.038	SIGM 49	0.38
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.174	0.059	89	0.12
N-05	Lake Nicasio	7/8/2003	Sediment	2	weeks	Duplicate	Treated	Hyalella azteca	10 days											0.152	0.042	SIGM 46	0.39

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StationCode	StationName	SampleDate	MediumName	ApplicationTime	Units	SampleTypeCode	StationTreatment	Species	TestDuration	% Fines	% Gravel	% Sand	Percent Moisture	Percent Solids	TOC	Cu, dry wt	Cu, Dissolved	Nitrate/Nitrite as N	Total Kjeldahl Nitrogen	Mean Growth	Mean Growth - Standard Deviation	Percent Survival	Percent Survival - Standard Deviation
N-06	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated			43.2	54.3	2.5	35	65	1.3	37		ND	630				
N-06	Lake Nicasio	7/8/2003	Porewater	2	weeks	Integrated	Treated										0.0045						
N-06	Lake Nicasio	7/8/2003	Sediment	2	weeks	Duplicate	Treated			43.2	56.2	0.6	38.7	61.3	1.3	36.1							
N-06	Lake Nicasio	7/8/2003	Porewater	2	weeks	Duplicate	Treated										0.0062						
N-06	Lake Nicasio	7/8/2003	Sediment	2	weeks	FieldBlank	Treated											ND	550				
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.174	0.059	89	0.12
N-06	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated	Hyalella azteca	10 days											0.21	0.047	88	0.1
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	28 days											0.643	0.082	88	0.24
N-06	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated	Hyalella azteca	28 days											0.554	0.128	86	0.2
N-07	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated			50.4	49.6	0	36.1	63.9	0.72	26.1		ND	360				
N-07	Lake Nicasio	7/8/2003	Porewater	2	weeks	Integrated	Treated										0.0157						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.174	0.059	89	0.12
N-07	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated	Hyalella azteca	10 days											0.216	0.056	69	0.2
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	28 days											0.643	0.082	88	0.24
N-07	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated	Hyalella azteca	28 days											0.553	0.075	83	0.17
N-13	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Reference			99.5	0.5	0	53.7	46.3	2.2	53.8		ND	680				
N-13	Lake Nicasio	7/8/2003	Porewater	2	weeks	Integrated	Reference										0.004						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.174	0.059	89	0.12
N-13	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Reference	Hyalella azteca	10 days											0.151	0.024	89	0.14
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	28 days											0.643	0.082	88	0.24
N-13	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Reference	Hyalella azteca	28 days											SIGG 0.483	0.123	83	0.18
N-14	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated			20.3	77.2	2.5	44.2	55.8	1.3	56.6		ND	470				
N-14	Lake Nicasio	7/8/2003	Porewater	2	weeks	Integrated	Treated										0.0038						
Control	Lab Control		Sediment	NR		Integrated	Reference	Hyalella azteca	10 days											0.174	0.059	89	0.12
N-14	Lake Nicasio	7/8/2003	Sediment	2	weeks	Integrated	Treated	Hyalella azteca	10 days											0.164	0.038	90	0.08