

Appendix C. Table 11. Copper - Phase II APMP Freshwater Results at Lake Nicasio, 2003.

StationCode	StationName	SampleDate	MediumName	ApplicationTime	Units	SampleTypeCode	StationTreatment	Species	TestDuration	Alkalinity	Chlorophyll a	Conductivity	Cu, Dissolved	Cu, Total	Ca, Dissolved	Mg, dissolved	Na, Dissolved	DO	Hardness	Total Ammonia	pH	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorus	TSS	Cell Count	Cell Count - Standard Error	Coefficient of Variation	Reproduction	Reproduction - Standard Error	Percent Survival	Percent Survival - Standard Error			
										mg/L	mg/m3	µS/cm	#N/A	#N/A	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	#N/A	mg/L	mg/L	mg/L	individuals	individuals	%	neonates/adult	NR	%	NR			
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	WQ			172.8						8			7.79														
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Duplicate	Treated	Ceriodaphnia dubia	WQ			168						7.8			7.80										95	5			
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	4 days																						100	0			
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	4 days												7.79										100	0			
Control	Lab Control		Freshwater			Duplicate	Reference	Ceriodaphnia dubia	4 days												7.79										100	5			
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Reference	Ceriodaphnia dubia	7 days												7.79										21.3	1.09	90		
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	7 days												7.79										28.6	2.1	100		
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Reference	Ceriodaphnia dubia	7 days												7.79										21.3	1.09	90		
Control	Lab Control		Freshwater			Duplicate	Treated	Ceriodaphnia dubia	7 days												7.80										24.1	1.9	100		
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Reference	Oncorhynchus mykiss	4 days												<RL	6.95										100			
Control	Lab Control		Freshwater			Duplicate	Reference	Oncorhynchus mykiss	4 days			155									<RL	6.95										100			
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Reference	Oncorhynchus mykiss	4 days			156									<RL	6.95										100			
Control	Lab Control		Freshwater			Grab	Reference	Pimephales promelas	4 days												7.64											97.5	2.5		
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Treated	Pimephales promelas	4 days												7.79										100	0			
Control	Lab Control		Freshwater			Grab	Reference	Pimephales promelas	4 days												7.64											97.5	2.5		
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Duplicate	Treated	Pimephales promelas	4 days												7.80											97.5	2.5		
Control	Lab Control		Freshwater			Grab	Reference	Selenastrum capricornutum	4 days												6.82				786000			2.4	6.1						
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Grab	Treated	Selenastrum capricornutum	4 days												7.79				2027000			4.5	4.5						
Control	Lab Control		Freshwater			Grab	Reference	Selenastrum capricornutum	4 days												6.82				786000			2.4	6.1						
N-05	Lake Nicasio	5/29/2003	Freshwater	Pre-App		Duplicate	Treated	Selenastrum capricornutum	4 days												7.80				1757000			3.3	3.8						
N-06	Lake Nicasio	6/19/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	2 days	55.6	6.7		0.0028	0.0046	14.6	9.08	7.13																		
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	2 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	2 days			163																							
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	7 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	7 days												8.98														
Control	Lab Control		Freshwater			Grab	Reference	Oncorhynchus mykiss	4 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	Pre-App		Grab	Treated	Oncorhynchus mykiss	4 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Grab	Treated	Ceriodaphnia dubia	2 days	57.2	4.6	160	0.0027	0.0027	14.6	9.15	6.92	7.5	66.2	ND	8.49														
Control	Lab Control		Freshwater			Duplicate	Treated	Ceriodaphnia dubia	2 days	60.8			0.003	0.0027	14.6	9.25	6.94		66.6																
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Grab	Reference	Ceriodaphnia dubia	2 days																										
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	2 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Duplicate	Treated	Ceriodaphnia dubia	2 days																										
Control	Lab Control		Freshwater			Duplicate	Reference	Ceriodaphnia dubia	2 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Duplicate	Treated	Ceriodaphnia dubia	2 days																										
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	7 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Grab	Treated	Ceriodaphnia dubia	7 days												8.49														
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	7 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Duplicate	Treated	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater			Grab	Reference	Oncorhynchus mykiss	4 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Grab	Treated	Oncorhynchus mykiss	4 days																										
Control	Lab Control		Freshwater			Grab	Reference	Oncorhynchus mykiss	4 days																										
N-06	Lake Nicasio	6/19/2003	Freshwater	0	hours	Duplicate	Treated	Oncorhynchus mykiss	4 days																										
N-13	Lake Nicasio	7/8/2003	Freshwater	2	weeks	Grab	Reference																												
N-06	Lake Nicasio	8/9/2003	Freshwater	24	hours	Grab	Treated			67.3		160	0.0378	0.0453	16.2	9.91	6.6	9.1	71.8	ND	8.13	0.42	0.51	0.0197	3.4										
Control	Lab Control		Freshwater			Duplicate	Treated			67.2			0.0381	0.045	16.3	9.72	6.5	9.1	71.8			0.43	0.52	0.0254	3.4										
N-06	Lake Nicasio	8/9/2003	Freshwater	24	hours	Grab	Treated	Ceriodaphnia dubia	2 days																										
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	2 days																										
N-06	Lake Nicasio	8/9/2003	Freshwater	24	hours	Grab	Treated	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater			Grab	Reference	Ceriodaphnia dubia	7 days																										
N-06	Lake Nicasio	8/9/2003	Freshwater	24	hours	Grab	Treated	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater			Grab	Reference	Oncorhynchus mykiss	4 days																										
N-06	Lake Nicasio	8/9/2003	Freshwater	24	hours	Grab	Treated	Oncorhynchus mykiss	4 days																										
N-06	Lake Nicasio	8/18/2003	Freshwater	1	weeks	Grab	Treated		</																										