

Appendix C. Table 3. Copper - Phase II APMP Porewater and Sediment Results at Lake Bontempe, 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
										%	%	%	%	%	%	µg/g	mg/L	mg/kg	mg/kg	mg/individual	NR	%	NR
B-02	Lake Bontempe	5/20/2003	Sediment	Pre-App		Integrated	Treated			49.8	0	50.2	58.1	41.9	2.7	1880		ND	320				
B-02	Lake Bontempe	5/20/2003	Porewater	Pre-App		Integrated	Treated										0.0624						
B-02	Lake Bontempe	5/20/2003	Sediment	Pre-App		Duplicate	Treated						63	37	1.9	1880		ND	470				
B-02	Lake Bontempe	5/20/2003	Porewater	Pre-App		Duplicate	Treated										2.31						
B-03	Lake Bontempe	5/20/2003	Sediment	Pre-App		Integrated	Treated			47.1	0	52.9	64	36	NA	466		ND	320				
B-03	Lake Bontempe	5/20/2003	Porewater	Pre-App		Integrated	Treated										0.004						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-03	Lake Bontempe	5/20/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	10 days											0.21	0.078	96	0.05
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-04	Lake Bontempe	5/20/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	10 days											SIGG 0.163	0.021	96	0.05
B-01	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated			29.6	2.2	68.2	67.3	32.7	3.5	764		ND	920				
B-01	Lake Bontempe	5/22/2003	Porewater	Pre-App		Integrated	Treated										0.0016						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-01	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	10 days											SIGG 0.15	0.029	96	0.05
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	28 days											0.518	0.073	93	0.07
B-01	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	28 days											SIGG 0.365	0.055	96	0.07
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-02	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	10 days											SIGG 0.115	0.081	SIGM 60	0.23
B-02	Lake Bontempe	5/22/2003	Sediment	Pre-App		Duplicate	Treated	Hyaella azteca	10 days											SIGG 0.086	0.021	SIGM 65	0.25
B-04	Lake Bontempe	5/22/2003	Porewater	Pre-App		Integrated	Treated										0.0042						
B-04	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated			79.6	0	20.4	74.1	25.9	2.4	498		ND	580				
B-05	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated			76.2	4.2	19.6	52.4	47.6	0.99	339		ND	180				
B-05	Lake Bontempe	5/22/2003	Porewater	Pre-App		Integrated	Treated										0.0626						
B-05	Lake Bontempe	5/22/2003	Sediment	Pre-App		Duplicate	Treated						58.1	41.9		377		ND	490				
B-05	Lake Bontempe	5/22/2003	Porewater	Pre-App		Duplicate	Treated										0.0063						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-05	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	10 days											0.219	0.04	91	0.1
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-05	Lake Bontempe	5/22/2003	Sediment	Pre-App		Duplicate	Treated	Hyaella azteca	10 days											0.249	0.043	96	0.05
B-06	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated			94.4	0	5.6	67.3	32.7	1.9	411		ND	480				
B-06	Lake Bontempe	5/22/2003	Porewater	Pre-App		Integrated	Treated										0.0027						
B-06	Lake Bontempe	5/22/2003	Sediment	Pre-App		FieldBlank	Treated						20.8	79.2				ND	ND				
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.232	0.09	94	0.12
B-06	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	10 days											0.21	0.016	95	0.05
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	28 days											0.518	0.073	93	0.07
B-06	Lake Bontempe	5/22/2003	Sediment	Pre-App		Integrated	Treated	Hyaella azteca	28 days											SIGG 0.333	0.055	94	0.05
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.253	0.092	88	0.24
B-02	Lake Bontempe	6/27/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	10 days											0.228	0.075	98	0.05
B-02	Lake Bontempe	6/27/2003	Sediment	2	weeks	Duplicate	Treated	Hyaella azteca	10 days											0.193	0.036	96	0.05
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.159	0.046	85	0.14
B-02	Lake Bontempe	6/27/2003	Sediment	2	weeks	Duplicate	Treated	Hyaella azteca	10 days											0.205	0.064	89	0.11
B-01	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated								NA								
B-01	Lake Bontempe	7/16/2003	Porewater	2	weeks	Integrated	Treated										0.0084						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.253	0.092	88	0.24
B-01	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	10 days											SIGG 0.161	0.022	96	0.11
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	28 days											0.526	0.049	94	0.07
B-01	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	28 days											SIGG 0.39	0.07	91	0.09
B-02	Lake Bontempe	7/16/2003	Porewater	2	weeks	Integrated	Treated										0.0052						
B-02	Lake Bontempe	7/16/2003	Porewater	2	weeks	Duplicate	Treated										0.0073						
B-02	Lake Bontempe	7/16/2003	Sediment	2	weeks	Duplicate	Treated								NA								
B-03	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated			73.5	0	26.5	72.5	27.5	NA	440		ND	770				

Appendix C. Table 3. Copper - Phase II APMP Porewater and Sediment Results at Lake Bontempe, 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
										%	%	%	%	%	%	µg/g	mg/L	mg/kg	mg/kg	mg/individual	NR	%	NR
B-03	Lake Bontempe	7/16/2003	Porewater	2	weeks	Integrated	Treated										0.0059						
B-03	Lake Bontempe	7/16/2003	Sediment	2	weeks	Duplicate	Treated			58.4	5.4	36.2	73	27		747		ND	920				
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.253	0.092	88	0.24
B-03	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	10 days											0.209	0.036	93	0.09
B-04	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated						61.8	38.2	NA	374		ND	560				
B-04	Lake Bontempe	7/16/2003	Porewater	2	weeks	Integrated	Treated										0.0045						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.253	0.092	88	0.24
B-04	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	10 days											0.186	0.098	74	0.3
B-05	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated																
B-05	Lake Bontempe	7/16/2003	Porewater	2	weeks	Integrated	Treated																
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.253	0.092	88	0.24
B-05	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	10 days											SIGG 0.16	0.043	83	0.17
B-06	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated																
B-06	Lake Bontempe	7/16/2003	Porewater	2	weeks	Integrated	Treated										0.0058						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.253	0.092	88	0.24
B-06	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	10 days											0.226	0.051	96	0.05
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	28 days											0.526	0.049	94	0.07
B-06	Lake Bontempe	7/16/2003	Sediment	2	weeks	Integrated	Treated	Hyaella azteca	28 days											SIGG 0.395	0.1	95	0.08
B-01	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated						70.5	29.5	1.34	600		ND	710				
B-01	Lake Bontempe	8/13/2003	Porewater	6	weeks	Integrated	Treated										0.0045						
Control	Lab Control		Sediment			Integrated	Reference	Hyaella azteca	10 days											0.159	0.046	85	0.14
B-01	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated	Hyaella azteca	10 days											0.202	0.032	94	0.11
B-02	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated						67.7	32.3	0.98	520		ND	570				
B-02	Lake Bontempe	8/13/2003	Porewater	6	weeks	Duplicate	Treated										0.0083						
B-02	Lake Bontempe	8/13/2003	Sediment	6	weeks	Duplicate	Treated						68.1	31.9	0.89	546		ND	520				
B-02	Lake Bontempe	8/13/2003	Porewater	6	weeks	Integrated	Treated										0.0077						
B-03	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated						56.4	43.6	0.62	405		ND	530				
B-03	Lake Bontempe	8/13/2003	Porewater	6	weeks	Integrated	Treated										0.0082						
B-04	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated						71.9	28.1	0.79	477		ND	650				
B-04	Lake Bontempe	8/13/2003	Porewater	6	weeks	Integrated	Treated										0.0061						
B-05	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated						55.5	44.5	0.63	338		ND	700				
B-05	Lake Bontempe	8/13/2003	Porewater	6	weeks	Integrated	Treated										0.0065						
B-06	Lake Bontempe	8/13/2003	Sediment	6	weeks	Integrated	Treated						65.8	34.2	0.69	366		ND	560				
B-06	Lake Bontempe	8/13/2003	Porewater	6	weeks	Integrated	Treated										0.0058						
B-06	Lake Bontempe	8/13/2003	Sediment	6	weeks	FieldBlank	Treated						23.4	76.6	0.15	ND		ND	ND				
B-06	Lake Bontempe	8/13/2003	Porewater	6	weeks	FieldBlank	Treated										0.0061						