Appendix F. Table 3. Glyphosate - Table 1. Phase II APMP Freshwater Results at Atwater Drain, 2003.

StationCode	StationName	SampleDate	MediumName	ApplicationTime	Units	SampleTypeCode	StationTreatment	Species	TestDuration	Alkalinity	Chlorophyll a	Conductivity	DO	Hardness	pH	Total Nitrogen	Total Phosphorus	TSS	AMPA	Glyphosate	Nonylphenol	Nonylphenolethoxylate	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	mg/L	mg/L	pH	mg/L	mg/L	mg/L	ug/L	ug/L	ug/L	ug/L	individuals	individuals	%	neonates/adult	NR	%	NR
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		Grab	Non-treated			110	<RL			68.5		5.93	0.62	2.7	ND	ND	2.55	ND							
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		FieldBlank	Non-treated			<MDL				<MDL		e 0.2	<MDL	<MDL	ND	ND	ND	ND							
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	WQ			205	8.2		8.2														
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		Grab	Non-treated	Ceriodaphnia dubia	WQ			512	5.7		7.3														
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days						8.2													95	5
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		Grab	Non-treated	Ceriodaphnia dubia	4 days						7.3													100	0
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days						8.2													92.5	2.5
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		Grab	Non-treated	Pimephales promelas	4 days						7.3													95	2.9
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days						8.7								2252000	26.5	11.8				
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		Grab	Non-treated	Selenastrum capricornutum	4 days						7.3								3946000	14.5	3.7				
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days						8.2											26.2	1.32	90	
A-01	Atwater Drain	10/6/2003	Freshwater	Pre-App		Grab	Non-treated	Ceriodaphnia dubia	7 days						7.3											31.4	0.69	100	
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Grab	Treated				<RL								ND	36.9	0.88	3.23							
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Duplicate	Treated				<RL								ND	39.3	ND	3.61							
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	WQ			205	8.2		8.2														
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Duplicate	Treated	Ceriodaphnia dubia	WQ			230	8.6		7.7														
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days						8.2													95	5
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Grab	Treated	Ceriodaphnia dubia	4 days						7.7													100	0
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days						8.2													95	5
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Duplicate	Treated	Ceriodaphnia dubia	4 days						7.7													100	0
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days						8.2													92.5	2.5
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Grab	Treated	Pimephales promelas	4 days						7.7													100	0
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days						8.2													92.5	2.5
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Duplicate	Treated	Pimephales promelas	4 days						7.7													100	0
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days						8.7								2252000	26.5	11.8				
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Grab	Treated	Selenastrum capricornutum	4 days						7.7								SIGC 1436000	13.7	9.5				
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days						8.7								2252000	26.5	11.8				
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Duplicate	Treated	Selenastrum capricornutum	4 days						7.7								SIGC 1714000	12.9	7.5				
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	WQ			205	8.2		8.2														
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Grab	Treated	Ceriodaphnia dubia	WQ			228	8.5		7.7														
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days						8.2											26.2	1.32	90	
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Grab	Treated	Ceriodaphnia dubia	7 days						7.7											31.1	1.69	100	
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days						8.2											26.2	1.32	90	
A-02	Atwater Drain	10/6/2003	Freshwater	1	hours	Duplicate	Treated	Ceriodaphnia dubia	7 days						7.7											27.9	0.87	100	
A-02	Atwater Drain	10/6/2003	Freshwater	3	hours	Grab	Treated			45.3				36.6		2.36	0.992	16											
A-02	Atwater Drain	10/6/2003	Freshwater	3	hours	Duplicate	Treated			45.3				36.2		2.15	0.992	12.7											