

Appendix F. Table 5. Glyphosate - Phase II APMP Freshwater Results at Stone Lake Wildlife Refuge, 2003.

StationCode	StationName	CollectionDate	MediumName	ApplicationTime	Units	SampleTypeCode	StationTreatment	Species	TestDuration	Alkalinity	Chlorophyll a	Conductivity	Ca, Dissolved	Mg, Dissolved	Na, Dissolved	DO	Hardness	pH	Total Kjeldahl Nitrogen	Total Nitrogen	Total Phosphorus	TSS	AMPA	Glyphosate	Nonylphenol	Nonylphenolethoxyfate	Cell Count	Cell Count - Standard Error	Coefficient of Variation	Reproduction	Reproduction - Standard Error	Percent Survival	Percent Survival - Standard Error		
SL-01A	Stone Lake Wildlife Refuge	5/8/2003	Freshwater	Pre-App		Grab	Reference			113	<RL																								
SL-01A	Stone Lake Wildlife Refuge	5/8/2003	Freshwater	Pre-App		FieldBlank	Reference			<RL	<RL																								
SL-02A	Stone Lake Wildlife Refuge	5/8/2003	Freshwater	Pre-App		Grab	Treated			110	<RL																								
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	WQ	122		373.5				8.6	128	7.83	0.8	0.103	7.2	ND	ND	ND	ND										
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	Pre-App		Grab	Treated	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	Pre-App		Grab	Treated	Pimephales promelas	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	Pre-App		Grab	Treated	Selenastrum capricornutum	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Duplicate	Treated			115	<RL		32	19.4	27.3																				
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	FieldBlank	Treated			119			31.5	19.3	27.7																				
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Grab	Treated	Ceriodaphnia dubia	WQ	120		378.5				8.6	128	7.92	<RL	<RL	<RL	ND	ND	1.03	3.98										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Duplicate	Treated	Ceriodaphnia dubia	WQ	122		379.8				8.6	124	7.92																	
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Duplicate	Treated	Ceriodaphnia dubia	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Grab	Treated	Ceriodaphnia dubia	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Duplicate	Treated	Ceriodaphnia dubia	7 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Grab	Treated	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Duplicate	Treated	Pimephales promelas	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Grab	Treated	Pimephales promelas	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Duplicate	Treated	Selenastrum capricornutum	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	0	hours	Grab	Treated	Selenastrum capricornutum	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	3	hours	Grab	Treated	Ceriodaphnia dubia	WQ	117	<RL		32.5	18.5	27.3																				
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	3	hours	Grab	Treated	Ceriodaphnia dubia	4 days			371.7				8.4	120	7.92	0.77	0.137	17	ND	27.5	0.2	3.58										
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	3	hours	Grab	Treated	Ceriodaphnia dubia	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	3	hours	Grab	Treated	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	3	hours	Grab	Treated	Pimephales promelas	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days																										
SL-02A	Stone Lake Wildlife Refuge	5/9/2003	Freshwater	3	hours	Grab	Treated	Selenastrum capricornutum	4 days																										
SL-01B	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Grab	Reference			160	<RL																								
SL-01B	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Duplicate	Reference			160																									
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Duplicate	Reference	Ceriodaphnia dubia	WQ	166		344				5.7	132	7.21																	
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Grab	Reference	Ceriodaphnia dubia	WQ	166		338				5.8	120	7.05																	
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	4 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Duplicate	Reference	Ceriodaphnia dubia	4 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Grab	Reference	Ceriodaphnia dubia	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Ceriodaphnia dubia	7 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Duplicate	Reference	Ceriodaphnia dubia	7 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Grab	Reference	Ceriodaphnia dubia	7 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Pimephales promelas	4 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Duplicate	Reference	Pimephales promelas	4 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Grab	Reference	Pimephales promelas	4 days																										
Control	Lab Control		Freshwater	NA		Grab	Reference	Selenastrum capricornutum	4 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003	Freshwater	4	weeks	Duplicate	Reference	Selenastrum capricornutum	4 days																										
SL-01A	Stone Lake Wildlife Refuge	6/5/2003</																																	