

Appendix B: Water Quality Data Used to Apply Load Duration Curves

Sampling Station	Stream Name	RM	Date Sampled	Total Phosphorus (mg/L)	Nitrate Nitrogen (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
P06G01	South Powell Creek	19.58	6/28/2000	0.320	1.79	1.0	76
			7/12/2000	0.230	0.41	3.5	98
			7/26/2000	0.160	0.53	1.0	18
			8/8/2000	0.230	3.72	3.2	65
			8/23/2000	0.180	0.22	2.7	41
			9/5/2000	0.110	0.43	1.0	22
P06S12	South Powell Creek	14.17	7/6/1999	0.350	0.16	6.9	40
			7/19/1999	0.470	0.87	8.0	142
			7/27/1999	0.240	2.37	6.4	66
			8/26/1999	0.180	0.05	5.0	86
			6/28/2000	0.450	1.17	3.2	212
			7/12/2000	0.250	0.10	3.5	57
			7/26/2000	0.170	0.05	4.6	58
			8/8/2000	0.400	2.17	6.7	114
			8/23/2000	0.200	0.05	5.4	76
			9/5/2000	0.340	0.05	5.5	51
P06P06	South Powell Creek	8.22	6/28/2000	0.520	1.33	1.0	75
			7/12/2000	0.260	0.18	9.0	64
			7/26/2000	0.200	0.05	4.2	83
			8/8/2000	0.330	2.10	3.8	81
			8/23/2000	0.230	0.05	12.2	53
			9/5/2000	0.180	0.05	5.0	81
P06G04	South Powell Creek	1.75	6/28/2000	0.390	1.73	1.0	104
			7/12/2000	0.210	0.05	7.7	106
			7/26/2000	0.170	0.05	6.9	81
			8/8/2000	0.240	1.72	3.4	82
			8/23/2000	0.270	0.05	10.4	165
			9/5/2000	0.250	0.05	3.4	63
P06G02	North Powell Creek	12.95	6/28/2000	0.160	4.66	1.0	55
			7/12/2000	0.120	0.05	2.4	111
			7/26/2000	0.140	0.05	10.0	84
			8/8/2000	0.245	0.71	3.6	51
			8/23/2000	0.100	0.05	3.3	132
			9/5/2000	0.130	0.05	4.0	139
P06G03	North Powell Creek Tributary	0.72	6/28/2000	0.100	3.93	1.0	33
			7/12/2000	0.140	0.30	1.0	97
			7/26/2000	0.290	1.08	33.0	156
			8/8/2000	0.210	0.79	1.0	19
			8/23/2000	0.630	0.87	9.2	29
			9/5/2000	0.600	1.35	7.3	22
P06S14	North Powell Creek	8.55	7/17/1996	0.200	0.05	---	58
			8/12/1996	0.140	0.05	---	44
			9/12/1996	0.150	0.05	---	64
			10/2/1996	0.120	0.05	---	131
			6/28/2000	0.200	4.11	1.0	132

Sampling Station	Stream Name	RM	Date Sampled	Total Phosphorus (mg/L)	Nitrate Nitrogen (mg/L)	Biological Oxygen Demand (mg/L)	Total Suspended Solids (mg/L)
			7/12/2000	0.120	0.10	9.8	68
			7/26/2000	0.200	0.05	6.3	39
			8/8/2000	0.270	0.80	4.4	90
			8/23/2000	0.180	0.05	3.2	23
			9/5/2000	0.190	0.05	3.6	95
P06G05	North Powell Creek	0.1	6/28/2000	0.210	4.06	1.0	91
			7/12/2000	0.140	0.80	5.3	61
			7/26/2000	0.120	0.10	3.3	68
			8/8/2000	0.250	1.14	3.9	105
			8/23/2000	0.120	0.05	4.5	58
			9/5/2000	0.190	0.05	3.8	85
P06G06	Wagner Run	0.55	6/28/2000	0.150	9.53	1.0	33
			7/12/2000	0.170	3.05	1.0	38
			7/26/2000	0.170	0.26	1.0	43
			8/8/2000	0.400	3.03	2.1	19
			8/23/2000	0.380	1.03	1.0	16
			9/5/2000	0.260	0.32	1.0	13
P06S01	Powell Creek	4.3	7/17/1996	0.100	0.05	---	22
			8/12/1996	0.130	1.10	4.1	46
			9/12/1996	0.070	0.05	3.3	48
			10/2/1996	0.050	0.05	4.3	40
			6/28/2000	0.360	2.37	1.0	111
			7/12/2000	0.270	0.75	16.0	63
			7/26/2000	0.100	0.05	4.2	44
			8/8/2000	0.280	1.35	3.9	133
			8/23/2000	0.150	0.05	7.1	42
						9/5/2000	0.130
P06G07	Powell Creek	0.36	6/28/2000	0.355	2.44	1.0	115
			7/12/2000	0.170	0.88	3.3	40
			7/26/2000	0.145	0.10	2.5	24
			8/8/2000	0.263	1.21	3.8	146
			8/23/2000	0.170	0.23	2.5	38
			9/5/2000	0.148	0.05	2.7	69