

Table 2. PhyloChip® predicted contributions from animal groups and relevant water quality parameters for all 25 samples collected in Parsons Creek. Bolded red text indicates exceedances of state water quality criteria for water quality parameters (DO < 75%, DO < 5 mg/L, Entero > 104 mpn/100mL) or potential fecal sources via PhyloChip® showing predicted contributions greater than 0.1 but less than 0.2. Rows highlighted in blue represent wet weather samples.

Sample Information			Water Quality Parameters							PhyloChip® Predicted Contributions								
Site ID	Date	Time	Temp. (°C)	DO (%)	DO (mg/L)	SPC (µS/cm)	Sal. (ppt)	pH	Entero. (mpn/100mL)	Bird	Dog/Cat	Horse	Human	Pig	Pinniped	Raccoon	Rat	Ruminant
PC-OUT	7/5/2022	9:40	18.9	95.0	7.55	40,950	26.27	7.81	20	0.008	0.022	0.004	0.015	0.006	0.005	0.072	0.073	0.008
BCH11	7/5/2022	10:15	20.6	1.2	0.09	34,205	21.52	6.55	211	0.005	0.020	0.003	0.010	0.008	0.005	0.058	0.072	0.010
PC08	7/5/2022	10:45	23.0	10.5	0.78	35,590	22.46	6.85	14,126	0.006	0.015	0.004	0.010	0.009	0.004	0.052	0.062	0.011
PC07	7/5/2022	10:55	23.6	1.2	0.09	32,285	20.16	7.00	92,080	0.004	0.021	0.003	0.010	0.008	0.004	0.059	0.069	0.009
ACPS005-U35	7/5/2022	11:25	18.8	2.1	0.19	369	0.18	6.40	4,360	0.004	0.017	0.004	0.010	0.016	0.004	0.072	0.065	0.013
PC-OUT	7/21/2022	11:20	21.7	99.2	7.29	47,147	30.71	7.66	97	0.009	0.020	0.004	0.014	0.006	0.006	0.062	0.066	0.009
BCH11	7/21/2022	11:45	22.0	2.2	0.17	40,353	25.83	6.56	425	0.005	0.016	0.004	0.009	0.013	0.004	0.047	0.064	0.011
PC08	7/21/2022	12:10	27.6	65.9	4.49	39,600	25.18	6.71	>24,196	0.020	0.026	0.009	0.024	0.010	0.009	0.115	0.112	0.011
PC07	7/21/2022	12:25	26.1	281.5	19.72	40,683	25.99	6.89	>24,196	0.034	0.030	0.012	0.033	0.011	0.014	0.127	0.107	0.012
ACPS005-U35	7/21/2022	13:10	18.9	1.5	0.14	439	0.21	6.39	2,187	0.004	0.019	0.003	0.009	0.018	0.005	0.079	0.070	0.011
PC-OUT	9/6/2022	11:40	17.0	69.6	5.71	42,144	27.11	7.44	809	0.006	0.025	0.004	0.014	0.009	0.006	0.071	0.081	0.010
BCH11	9/6/2022	12:05	20.7	0.5	0.04	36,076	22.83	6.76	11,199	0.022	0.030	0.009	0.022	0.011	0.014	0.144	0.110	0.011
PC08	9/6/2022	12:20	18.4	9.3	0.77	31,123	19.41	6.82	19,863	0.004	0.015	0.003	0.010	0.008	0.003	0.046	0.056	0.009
PC07	9/6/2022	12:30	17.2	70.7	6.55	11,155	6.37	7.05	9,804	0.004	0.015	0.003	0.011	0.007	0.003	0.052	0.054	0.009
ACPS005-U35	9/6/2022	12:55	18.0	2.0	0.19	419	0.20	6.80	107	0.005	0.019	0.004	0.011	0.012	0.005	0.087	0.081	0.013
PC-OUT	9/20/2022	11:50	16.6	78.5	6.37	46,654	30.35	7.69	134	0.008	0.028	0.005	0.016	0.006	0.006	0.076	0.075	0.010
BCH11	9/20/2022	12:05	19.0	1.9	0.15	39,050	24.92	6.82	72	0.005	0.019	0.004	0.011	0.009	0.004	0.051	0.065	0.013
PC08	9/20/2022	12:20	17.4	37.3	3.09	37,625	23.92	6.92	24,196	0.004	0.018	0.003	0.009	0.009	0.004	0.059	0.069	0.010
PC07	9/20/2022	12:30	16.9	75.9	6.94	16,390	9.66	7.10	7,270	0.009	0.024	0.006	0.018	0.012	0.006	0.105	0.094	0.011
ACPS005-U35	9/20/2022	12:50	16.0	1.0	0.10	395	0.19	6.85	115	0.027	0.029	0.009	0.037	0.010	0.007	0.128	0.109	0.009
PC-OUT*	10/4/2022	11:00	12.3	95.4	8.59	43,180	27.77	7.77	121	0.003	0.003	0.005	0.002	0.002	0.008	0.004	0.002	0.002
BCH11	10/4/2022	11:20	13.4	6.4	0.56	43,551	28.06	6.86	402	0.003	0.020	0.003	0.009	0.009	0.003	0.048	0.065	0.008
PC08	10/4/2022	11:30	13.3	66.0	5.86	41,384	26.52	6.93	8,664	0.028	0.033	0.011	0.031	0.008	0.021	0.117	0.104	0.014
PC07	10/4/2022	11:40	12.3	132.5	12.16	38,676	24.59	7.03	1,785	0.009	0.019	0.005	0.016	0.005	0.006	0.070	0.077	0.010
ACPS005-U35	10/4/2022	11:50	11.0	3.9	0.43	384	0.19	7.02	20	0.058	0.039	0.013	0.045	0.007	0.013	0.116	0.118	0.008

*Low DNA in the sample suggestive of DNA extraction or sample preparation issues; interpret this sample result with caution.