

N	Equation	R2	R2 Adj	PRESS	R2 Pred	p-value	Total DF	Total DF / N	Residual DF	Regression MS	Residual Mean square error	F value
60	Al mg/L = 0.001 - 0.00564 ANC uEq/L + 0.0241 SO4 mg/L	0.512	0.495	0.5452	0.474	0.000	59	0.983	57	0.2652	0.0089	29.87
60	Al mg/L = 0.325 - 0.00480 ANC uEq/L + 0.0163 SO4 mg/L - 0.0494 pH	0.517	0.491	0.5464	0.473	0.000	59	0.983	56	0.1786	0.0089	19.98
60	Al mg/L = 0.610 - 0.00493 ANC uEq/L - 0.0787 pH	0.510	0.493	0.5503	0.469	0.000	59	0.983	57	0.2645	0.0089	29.71
60	Al mg/L = 0.194 - 0.00691 ANC uEq/L	0.492	0.483	0.5616	0.458	0.000	59	0.983	58	0.5096	0.0091	56.10
60	Al mg/L = 0.237 - 0.00650 ANC uEq/L + 0.0262 Log Flow m3/s/km2	0.494	0.476	0.5727	0.448	0.000	59	0.983	57	0.2560	0.0092	27.64
60	Al mg/L = 0.200 - 0.00708 ANC uEq/L - 0.219 Flow m3/s/km2	0.492	0.475	0.5851	0.436	0.000	59	0.983	57	0.2552	0.0092	27.64
60	Al mg/L = 0.187 - 0.00687 ANC uEq/L + 0.0031 DOC mgC/L	0.492	0.474	0.5874	0.433	0.000	59	0.983	57	0.2550	0.0092	27.60
60	Al mg/L = 0.925 - 0.170 pH + 0.0212 SO4 mg/L	0.442	0.423	0.6187	0.403	0.000	59	0.983	57	0.2293	0.0101	22.62
60	Al mg/L = 1.32 - 0.212 pH	0.431	0.421	0.6191	0.403	0.000	59	0.983	58	0.4470	0.0102	43.98
60	Al mg/L = 1.27 - 0.186 pH + 0.0525 Log Flow m3/s/km2	0.440	0.421	0.6214	0.401	0.000	59	0.983	57	0.2282	0.0102	22.42
60	Al mg/L = 1.27 - 0.209 pH + 0.0126 DOC mgC/L	0.437	0.417	0.6236	0.398	0.000	59	0.983	57	0.2263	0.0102	22.09
60	Al mg/L = 1.33 - 0.215 pH - 0.084 Flow m3/s/km2	0.431	0.411	0.6474	0.375	0.000	59	0.983	57	0.2236	0.0103	21.62
60	Al mg/L = - 0.386 + 0.0725 SO4 mg/L	0.333	0.322	0.7278	0.298	0.000	59	0.983	58	0.3452	0.0119	28.96
60	Al mg/L = 0.413 - 0.408 Na mg/L	0.259	0.246	0.8111	0.217	0.000	59	0.983	58	0.2681	0.0133	20.24
60	Al mg/L = 0.542 + 0.209 Log Flow m3/s/km2	0.248	0.235	0.8279	0.201	0.000	59	0.983	58	0.2575	0.0134	19.17
60	Al mg/L = 0.869 - 2.79 Flow m3/s/km2 + 0.360 Log Flow m3/s/km2	0.276	0.251	0.8332	0.196	0.000	59	0.983	57	0.1433	0.0132	10.89
60	Al mg/L = - 0.245 + 0.0157 Cond uS/cm	0.221	0.207	0.8489	0.181	0.000	59	0.983	58	0.2290	0.0139	16.45
60	Al mg/L = 0.493 - 0.484 K mg/L	0.214	0.200	0.8615	0.169	0.000	59	0.983	58	0.2216	0.0141	15.77
60	Al mg/L = 0.311 - 0.341 DIC mgC/L	0.164	0.149	0.9127	0.118	0.001	58	0.967	57	0.1694	0.0152	11.16
60	Al mg/L = 0.120 + 2.69 Flow m3/s/km2	0.145	0.130	0.9736	0.061	0.003	59	0.983	58	0.1503	0.0153	9.84
60	Al mg/L = 0.278 - 1.73 NO3-N mgN/L	0.081	0.061	1.3434	0.000	0.052	46	0.767	45	0.0775	0.0194	3.99
60	Al mg/L = 0.129 + 0.0298 DOC mgC/L	0.031	0.015	1.0705	0.000	0.177	59	0.983	58	0.0324	0.0173	1.87
60	Al mg/L = 0.263 - 0.0731 Cl mg/L	0.030	0.013	1.0560	0.000	0.185	59	0.983	58	0.0313	0.0173	1.80
60	Al mg/L = 0.007 + 0.269 Mg mg/L	0.021	0.004	1.0882	0.000	0.367	59	0.983	58	0.0213	0.0175	1.22
60	Al mg/L = 0.199 - 0.0026 Ca mg/L	0.000	0.000	1.1094	0.000	0.978	59	0.983	58	0.0000	0.0179	0.00

Notes:

All regressions are fitted to the intercept at 95% confidence interval
 DIC data not collected for ERP
 Silica data not collected for Jones
 Sorted by R2 Pred