

Variables	Number of samples	R <sup>2</sup>	RMSE	Percent bias (%)
Tidal range (m)	8	0.98	0.06	0.5
Salinity	14	0.98	0.70	-16
TSS (mgL <sup>-1</sup> )	14	0.86	13.51	3
DO (mgL <sup>-1</sup> )	14	0.70	0.50	4
NH <sub>4</sub> -N (mgL <sup>-1</sup> )	14	0.91	0.21	18
TOC (mgL <sup>-1</sup> )	14	0.78	0.86	-3
PO <sub>4</sub> -P (mgL <sup>-1</sup> )	14	0.60	0.02	39
Phytoplankton (mgL <sup>-1</sup> )	3	0.88	0.4	178
DSi (mgL <sup>-1</sup> )	3	0.80	0.54	30
NO <sub>3</sub> -N(mgL <sup>-1</sup> )	3	0.63	0.15	-18