Supplemental Table S3. Spearman correlation coefficients (r_s) between *E. coli* concentrations or ratios and measured water quality variables. Relationship strengths are indicated as positive and negative with green and red gradations, respectively. Cell colors depict the direction of the relationship with green and red cells indicating positive and negative values, respectively. Weak correlations are shown in yellow. The strength of the relationship determines the intensity of the coloring.

	No Tetracycline	Low Tetracycline	High Tetracycline	Percentage Low	Percentage High
Variable	MPN 100 mL^{-1}	MPN 100 mL^{-1}	MPN 100 mL^{-1}	%	%
C	**-0.283**	**0.492**	**-0.324**	-0.280	**-0.497**
DO	**-0.372**	**-0.653**	-0.198	0.182	0.046
SPC	**-0.658**	**-0.808**	**-0.541**	-0.093	-0.171
pH	0.072	**-0.684**	0.074	0.086	0.207
NTU	**0.386**	**0.701**	**0.390**	-0.179	0.031
BGA	**0.437**	**0.808**	**0.536**	0.013	0.200
CHL	**0.512**	**0.685**	**0.760**	0.267	**0.596**
FDOM	**0.516**	**0.620**	**0.524**	**0.544**	**0.476**
PHYC	**0.256**	**0.465**	0.205	**-0.368**	-0.125
INV	**0.508**	**0.778**	**0.808**	0.041	**0.576**
CDOM	**0.507**	**0.545**	**0.699**	0.154	**0.547**
NH_3	0.208	**0.790**	-0.033	-0.054	-0.217
NO_3	-0.121	-0.270	**0.291**	**0.459**	**0.462**
PO_4	0.051	**0.326**	0.092	0.052	0.005
TC	0.007	**0.440**	**-0.262**	-0.234	**-0.386**
TIC	**-0.300**	-0.113	**-0.378**	-0.029	**-0.298**

TN	-0.193	0.203	-0.033	0.302	0.002
NN	-0.080	-0.248	**0.277**	**0.326**	**0.417**
TOC	0.073	**0.478**	-0.213	-0.255	**-0.392**
PAR	-0.103	-0.292	-0.180	-0.239	-0.182
TSR	-0.086	-0.261	-0.208	-0.240	-0.217

C = water temperature (°C), DO = dissolved oxygen (mg L^{-1}), SPC = specific conductivity (µS cm^{-1}), NTU = turbidity (NTU), BGA = phycocyanin (RFU), CHL = chlorophyll-a (RFU), FDOM = fluorescent dissolved organic matter (µg L^{-1}), PHYC = phycocyanin laboratory (µg L^{-1}), INV = laboratory chlorophyll (RFU), CDOM = colored dissolved organic matter (µg L^{-1}), NH3 = ammonia (mg L^{-1}), NO3 = nitrate (mg L^{-1}), PO4 = orthophosphate (mg L^{-1}), TC = total carbon (mg L^{-1}), TIC = inorganic carbon (mg L^{-1}), TN = total nitrogen (mg L^{-1}), NN = nitrate nitrogen (mg L^{-1}), TOC = organic carbon (mg L^{-1}), PAR = photosynthetic active radiation (W m^{-2}), TSR = total solar radiation (W m^{-2}). Values in bold indicate significant relationships at the $p = 0.05$ level of probability. Values in bold indicate statistical significance at the $\alpha = 0.05$ level.