Table 1. Table summarizing the output of the two linear models run on the data for this study. For both models, EPT index was the response variable and the fixed effect predictors were the same. The first three Estimates, CI and p columns represent the estimated predictor effect, 95% confidence interval values and p-values for each predictor effect in the linear model with no random effects. The next three Estimates, CI and p columns represent the linear mixed effects model, with year as a random effect. The last column represents the degrees of freedom corresponding to each fixed effect for both models. The output for the random effect of year in the linear mixed effects model is included below the fixed effects. Number of observations for both studies were 132. R2 and adjusted R2 values for both models are also included, as well as the AIC values. The linear model with no random effects had the lower AIC score. All values have been rounded to three decimal places.

Predictors	Estimates	CI	p	Estimates	CI	p	df
		EPT Index					
Intercept	0.01	-0.03 – 0.05	0.694	0.01	-0.03 – 0.05	0.694	116.34
Nitrogen (Poor)	0.02	-0.03 – 0.07	0.456	0.02	-0.03 – 0.07	0.456	116.99
Phosphorus (Poor)	0.00	-0.03 – 0.04	0.927	0.00	-0.03 – 0.04	0.808	116.63
Potassium (Poor)	-0.01	-0.04 – 0.03	0.759	-0.01	-0.04 – 0.03	0.810	116.26
Dissolved Carbon (Poor)	-0.00	-0.04 – 0.04	0.975	-0.00	-0.04 – 0.04	0.975	116.93
pH (Poor)	-0.00	-0.04 – 0.03	0.930	-0.00	-0.04 – 0.03	0.759	116.21
Nitrogen (Poor) * Phosphorus (Poor)	-0.03	-0.06 – 0.01	0.201	-0.03	-0.06 – 0.01	0.930	116.50
Nitrogen (Poor) * Potassium (Poor)	-0.02	-0.08 – 0.04	0.543	-0.02	-0.08 – 0.04	0.377	116.95
Phosphorus (Poor) * Potassium (Poor)	0.00	-0.02 – 0.02	0.808	0.00	-0.02 – 0.02	0.543	116.12
Nitrogen (Poor) * Dissolved Carbon (Poor)	0.02	-0.02 – 0.05	0.377	0.02	-0.02 – 0.05	0.697	116.04
Phosphorus (Poor) * Dissolved Carbon (Poor)	-0.00	-0.03 – 0.03	0.996	-0.00	-0.03 – 0.03	0.996	114.57
Potassium (Poor) * Dissolved Carbon (Poor)	0.01	-0.02 – 0.04	0.697	0.01	-0.02 – 0.04	0.927	116.48
Nitrogen (Poor) * pH (Poor)	-0.01	-0.06 – 0.04	0.810	-0.01	-0.06 – 0.04	0.333	116.01
Nitrogen (Poor) * Phosphorus (Poor) * Potassium (Poor)	0.02	-0.02 – 0.07	0.291	0.02	-0.02 – 0.07	0.291	116.49
Nitrogen (Poor) * Potassium (Poor) * Dissolved Carbon (Poor)	-0.02	-0.06 – 0.02	0.333	-0.02	-0.06 – 0.02	0.201	116.99

Random Effects

σ^2					0.00		
τ_{00}					0.00 $_{YEAR}$		
N					2 $_{YEAR}$		
Observations		132			132		
R^2 / R^2 adjusted		0.069 / -0.042			0.062 / NA		
AIC		-684.246			-563.473		