water

Supplementary Material

Table S1. ANOVA source table for the Total Inorganic Nitrogen (TIN) concentrations; the following notation is used to indicate levels of significance * <0.05, **<0.01, ***<0.001. See methods section for variable/source description.

Source	DF	F Ratio	Prob > F
Month	1	8.249	0.0061**
Location	1	9.839	0.0029**
Vegetation Presence	1	16.015	0.0002**
Compartment	1	72.478	<0.0001***
Month*Location	1	51.678	<0.0001***
Month*Vegetation Presence	1	10.224	0.0025**
Month*Compartment	1	123.935	<0.0001***
Location*Vegetation Presence	1	2.517	0.1192
Location*Compartment	1	43.498	<0.0001***
Vegetation Presence*Compartment	1	38.374	<0.0001***
Month*Location*Vegetation Presence	1	3.494	0.0677
Month*Location*Compartment	1	8.190	0.0062**
Month*Compartment*Vegetation Presence	1	3.236	0.0783
Location*Vegetation Presence*Compartment	1	2.396	0.1282
Month*Location*Vegetation Presence*Compartment	1	0.092	0.7629
Error	48		

Table S2. ANOVA source table for the PO_4^{3-} concentrations; the following notation is used to indicate levels of significance * <0.05, **<0.01, ***<0.001. See methods section for variable/source description.

SOURCE	DF	F Ratio	Prob > F
Month	1	4.591	0.0373*
Location	1	16.947	0.0002**
Vegetation Presence	1	1.867	0.1782
Compartment	1	75.830	<0.0001***
Month*Location	1	14.645	0.0004**
Month*Vegetation Presence	1	1.379	0.2461
Month*Compartment	1	0.218	0.6427
Location*Vegetation Presence	1	5.912	0.0188*
Location*Compartment	1	1.829	0.1825
Vegetation Presence*Compartment	1	4.814	0.0331*
Month*Location*Vegetation Presence	1	1.394	0.2436
Month*Location*Compartment	1	1.988	0.165
Month*Compartment*Vegetation Presence	1	2.373	0.13
Location*Vegetation Presence*Compartment	1	0.207	0.6516
Month*Location*Vegetation Presence*Compartment	1	0.770	0.3847
Error	48		

Table S3. ANOVA source table for PO_4^{3-} concentrations at Mike1 during May 2015; the following notation is used to indicate levels of significance * <0.05, **<0.01, ***<0.001. See methods section for variable/source description.

SOURCE	DF	SUM OF SQUARES	MEAN SQUARES	F RATIO
Model	3	2.4824007	0.827467	14.8502
Error	12	0.6686533	0.055721	**PROB > F**
C.Total	15	3.1510539		0.0002***

SOURCE	NPARM	DF	SUM OF SQUARES	F RATIO	PROB > F
Vegetation Presence	1	1	0.5955981	10.6889	0.0067**
Water Collection	1	1	1.6135351	28.9573	0.0002***
Vegetation Presence * Water Collection	1	1	0.2732676	4.9042	0.0469*

Table S4. ANOVA source table for PO_4^{3-} concentrations at Mike3 during May 2015; the following notation is used to indicate levels of significance * <0.05, **<0.01, ***<0.001. See methods section for variable/source description.

SOURCE	DF	SUM OF SQUARES	MEAN SQUARES	F RATIO
Model	3	1.9340837	0.644695	2.9907
Error	12	2.5868057	0.215567	**PROB>F**
C.Total	15	4.5208894		0.0733

SOURCE	NPARM	DF	SUM OF SQUARES	F RATIO	PROB > F
Vegetation Presence	1	1	0.2452726	1.1378	0.3071
Water Collection	1	1	1.5172081	7.0382	0.0211*
Vegetation Presence * Water Collection	1	1	0.1716031	0.7961	0.3898