

Supplementary Data

Table showing the correlation matrix for the physico-chemical parameters measured. The matrix was computed for nine parameters with N=13 for each parameter as well as for stations

St-01

	Temp	Sal	DO	Chl_a	Nitrite	Nitrate	Phosphate	Silicate	Ammonia
Temp	1								
Sal	0.1	1							
DO	0.42	0.21	1						
Chl_a	0.26	-0.30	0.23	1					
Nitrite	-0.39	-0.11	-0.08	0.21	1				
Nitrate	-0.26	0.25	0.22	0.07	0.77	1			
Phosphate	-0.50	0.08	-0.26	0.10	0.37	0.51	1		
Silicate	0.47	0.01	0.24	0.17	-0.42	-0.33	0.00	1	
Ammonia	0.07	0.10	-0.24	-0.26	0.50	0.44	0.08	0.00	1

St-02

	Temp	Sal	DO	Chl_a	Nitrite	Nitrate	Phosphate	Silicate	Ammonia
Temp	1.00								
Sal	0.10	1.00							
DO	-0.31	0.58	1.00						
Chl_a	0.00	-0.71	-0.68	1.00					
Nitrite	0.50	-0.27	-0.38	0.41	1.00				
Nitrate	0.23	0.25	-0.01	-0.36	-0.05	1.00			
Phosphate	-0.43	0.05	0.17	-0.17	-0.20	0.21	1.00		
Silicate	0.02	-0.09	0.18	0.06	-0.08	-0.28	0.13	1.00	
Ammonia	0.07	0.25	-0.11	0.29	0.81	0.41	0.13	-0.03	1.00

St-03

	Temp	Sal	DO	Chl_a	Nitrite	Nitrate	Phosphate	Silicate	Ammonia
Temp	1.00								
Sal	-0.20	1.00							
DO	-0.47	0.36	1.00						
Chl_a	-0.54	0.09	0.65	1.00					
Nitrite	-0.30	-0.31	-0.20	0.17	1.00				
Nitrate	-0.16	0.07	0.06	0.11	0.77	1.00			
Phosphate	-0.42	0.09	0.43	0.70	0.00	0.02	1.00		
Silicate	0.01	0.11	0.14	-0.01	0.26	0.53	0.24	1.00	
Ammonia	-0.06	0.04	0.12	0.35	0.61	0.44	0.31	0.40	1.00

St-04

	Temp	Sal	DO	Chl_a	Nitrite	Nitrate	Phosphate	Silicate	Ammonia
Temp	1.00								
Sal	0.16	1.00							
DO	-0.52	0.46	1.00						
Chl_a	-0.08	-0.30	-0.15	1.00					
Nitrite	-0.49	0.06	0.54	0.07	1.00				
Nitrate	0.16	-0.53	-0.38	0.17	-0.14	1.00			
Phosphate	-0.53	0.02	0.32	0.38	0.56	-0.32	1.00		
Silicate	-0.02	0.33	0.16	0.19	0.23	-0.50	0.78	1.00	
Ammonia	0.06	0.45	0.13	-0.51	0.56	-0.39	0.20	0.40	1.00

St-05

	Temp	Sal	DO	Chl_a	Nitrite	Nitrate	Phosphate	Silicate	Ammonia
Temp	1.00								
Sal	-0.29	1.00							
DO	-0.20	0.03	1.00						
Chl_a	0.04	-0.62	0.28	1.00					
Nitrite	0.40	0.18	-0.17	-0.07	1.00				
Nitrate	0.61	0.07	-0.42	-0.18	0.80	1.00			
Phosphate	-0.66	0.23	0.72	0.23	-0.24	-0.54	1.00		
Silicate	0.47	-0.16	-0.11	-0.09	0.49	0.76	-0.18	1.00	
Ammonia	0.23	-0.49	0.38	-0.22	-0.31	-0.26	0.06	0.04	1.00