

Sediment characteristics

Depth (m)	Temp. (°C)	z_{bio} (cm)	D_{bio} ($\text{cm}^2 \text{yr}^{-1}$)	POC ₁ (wt %)	POC ₂ (wt %)	k_1 (yr^{-1})	k_2 (yr^{-1})	PO ₄ ^a (nmol cm^{-3})
108	12.50	1.00	0.02	2.64	1.8	0.650	$1.0e^{-5}$	15.0
585	5.85	0.01	0.02	2.00	3.5	0.200	$8.0e^{-4}$	90.0
2213	3.20	10.00	0.17	0.45	0.5	0.100	$4.0e^{-4}$	5.0
4298	2.50	4.20	0.18	0.83	1.2	0.052	$1.0e^{-5}$	5.0

Bottom water concentrations of solutes (all in nmol cm^{-3})

Depth	O ₂	NO ₃	SO ₄	NH ₄	H ₂ S	PO ₄	Alkalinity
108	210.0	9.6	28 000	0.40	0.0	0.0	2400
585	10.0	25.0	28 000	0.00	0.0	50.0	2480
2213	250.0	25.0	28 000	0.60	0.0	0.0	2400
4298	243.0	30.1	28 000	0.22	0.0	0.0	2400