

Parameter	Value
Static sediment oxygen demand (SOD, $\text{g m}^{-2} \text{d}^{-1}$)	8.08
Half-saturation constant for sediment DO flux (mg O L^{-1})	3.38
Denitrification rate coefficient (day^{-1})	0.588
Nitrification rate coefficient (day^{-1})	0.0144
Maximum potential growth rate of cyanobacteria (day^{-1})	0.588
Maximum potential growth rate of diatoms (day^{-1})	1.194
Respiration, mortality, and excretion parameter for cyanobacteria (day^{-1})	0.0788
Respiration mortality and excretion parameter for diatoms (day^{-1})	0.138