

Symbol	Description	Feng et al. (2015)	This paper	Units
g_{\max}	^a Zooplankton maximum growth rate	0.3	$0.05 \times 10^{0.0742 \times T}$	d^{-1}
n_{\max}	Maximum rate of nitrification	0.05	0.2	d^{-1}
r_{D_L}	^a Remineralization of large nitrogen detritus	0.2	$0.05 \times 10^{0.0742 \times T}$	d^{-1}
r_{D_S}	^a Remineralization of small nitrogen detritus	0.2	$0.05 \times 10^{0.0742 \times T}$	d^{-1}
$\kappa_{[\text{DON}]_{\text{SL}}}$	^a Temperature dependency on remineralization of semi-labile DON	0.07	0.0742	$^{\circ}\text{C}^{-1}$
a_{0C}	Remineralization rate of DOC at 0°C	0.003835	0.008	d^{-1}
μ_0	^b Phytoplankton growth rate	$1.81 + 10^{0.16 \times T - 4.27}$	$< 20^{\circ}\text{C}, 2.15 \quad T \geq 20^{\circ}\text{C},$	$2.15 \quad \text{d}^{-1}$