

Variable	Earlier model version					Modified model version used here				
	Total	A	B	C	D	Total	A	B	C	D
Surface T (°C)	1.23 (17.15)	1.69 (16.86)	0.91 (16.71)	1.17 (17.25)	1.15 (17.62)	1.23 (17.15)	1.73 (16.86)	0.92 (16.71)	1.19 (17.25)	1.17 (17.62)
Bottom T (°C)	2.27 (15.98)	1.68 (16.74)	2.92 (15.42)	2.28 (15.89)	1.88 (16.09)	2.22 (15.98)	1.72 (16.74)	2.84 (15.42)	2.22 (15.89)	1.86 (16.09)
Surface S	2.14 (12.64)	2.32 (1.84)	1.96 (10.54)	1.95 (14.20)	2.30 (19.15)	1.86 (12.64)	2.11 (1.84)	1.56 (10.54)	2.11 (14.20)	1.54 (19.15)
Bottom S	2.09 (18.18)	2.10 (3.92)	1.78 (17.59)	2.04 (20.88)	2.34 (24.52)	2.17 (18.18)	2.31 (3.92)	2.04 (17.59)	1.83 (20.88)	2.40 (24.52)
Surface DO (mg L ⁻¹)	1.60 (9.35)	1.89 (9.24)	1.61 (9.65)	1.56 (9.39)	1.43 (9.13)	1.48 (9.35)	1.73 (9.24)	1.61 (9.65)	1.28 (9.39)	1.34 (9.13)
Bottom DO (mg L ⁻¹)	2.51 (5.78)	2.62 (8.00)	1.63 (3.82)	2.49 (5.01)	2.95 (6.71)	1.82 (5.78)	2.47 (8.00)	1.63 (3.82)	1.58 (5.01)	1.72 (6.71)
Surface NO ₃ (mmolN m ⁻³)	0.21 (0.32)	0.36 (0.93)	0.18 (0.34)	0.17 (0.17)	0.13 (0.07)	0.20 (0.32)	0.35 (0.93)	0.18 (0.34)	0.13 (0.17)	0.11 (0.07)
Bottom NO ₃ (mmolN m ⁻³)	0.17 (0.21)	0.34 (0.81)	0.28 (0.14)	0.07 (0.08)	0.07 (0.04)	0.23 (0.21)	0.37 (0.81)	0.28 (0.14)	0.14 (0.08)	0.06 (0.04)