

Summary of water quality statistics for the Junk Bay WCZ in 2005

Parameter	Junk Bay	
	JM3	JM4
Number of samples	12	12
Temperature (°C)	23.0 (15.9 - 27.9)	22.8 (15.8 - 27.9)
Salinity	32.1 (27.0 - 33.5)	32.3 (29.0 - 33.7)
Dissolved Oxygen (mg/L)	5.9 (3.7 - 7.0)	5.8 (4.0 - 7.2)
Bottom	5.7 (3.2 - 6.9)	5.6 (3.6 - 7.1)
Dissolved Oxygen (% Saturation)	83 (53 - 101)	81 (56 - 95)
Bottom	79 (45 - 96)	78 (50 - 96)
pH	8.2 (7.9 - 8.5)	8.2 (7.8 - 8.5)
Secchi Disc Depth (m)	2.6 (2.0 - 3.5)	2.4 (1.6 - 3.5)
Turbidity (NTU)	9.8 (4.5 - 15.6)	9.8 (5.1 - 14.4)
Suspended Solids (mg/L)	2.7 (1.3 - 4.3)	3.2 (1.1 - 8.0)
5-day Biochemical Oxygen Demand (mg/L)	0.7 (0.2 - 1.5)	0.6 (0.2 - 1.0)
Ammonia Nitrogen (mg/L)	0.06 (0.04 - 0.12)	0.06 (0.03 - 0.13)
Unionised Ammonia (mg/L)	0.004 (0.001 - 0.009)	0.004 (0.001 - 0.010)
Nitrite Nitrogen (mg/L)	0.02 (<0.01 - 0.05)	0.02 (<0.01 - 0.05)
Nitrate Nitrogen (mg/L)	0.08 (0.02 - 0.16)	0.07 (0.03 - 0.15)
Total Inorganic Nitrogen (mg/L)	0.16 (0.08 - 0.23)	0.15 (0.08 - 0.24)
Total Kjeldahl Nitrogen (mg/L)	0.17 (0.12 - 0.22)	0.17 (0.08 - 0.22)
Total Nitrogen (mg/L)	0.27 (0.17 - 0.39)	0.26 (0.14 - 0.33)
Orthophosphate Phosphorus (mg/L)	0.01 (<0.01 - 0.03)	0.02 (0.01 - 0.02)
Total Phosphorus (mg/L)	0.03 (0.02 - 0.03)	0.03 (0.02 - 0.04)
Silica (as SiO ₂) (mg/L)	0.6 (0.4 - 0.9)	0.6 (0.4 - 1.0)
Chlorophyll- <i>a</i> (µg/L)	2.1 (0.6 - 8.6)	1.8 (0.5 - 4.9)
<i>E. coli</i> (count/100mL)	67 (15 - 7100)	100 (23 - 550)
Faecal Coliforms (count/100mL)	180 (66 - 10000)	240 (40 - 1200)

Note : 1. Unless otherwise specified, data presented are depth-averaged (A) values calculated by taking the means of three depths: Surface (S), Mid-depth (M), Bottom (B).

2. Data presented are annual arithmetic means of the depth-averaged results except for *E. coli* and faecal coliforms which are annual geometric means.

3. Data in brackets indicate the ranges.