

K. Summary of Water Quality Monitoring associated with Ecological Monitoring conducted

Table K1. Water quality at WRA during the reporting month

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level Monitoring (cm)	
						(5 October 2022)	(29 October 2022)
1	27.2	7.4	0.2	9.0	5.6	200	180
2	25.3	7.3	0.2	12.3	5.0	170	150
3	25.7	7.3	0.2	5.8	5.7	210	190
4	26.0	7.4	0.2	6.0	4.7	205	190
Action Level	-	<6.5 or >8.0	>2	-	<2	<150 or >250	
Limit Level	-	<6.0 or >8.5	>5	-	<1	-	

Notes:

1. Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underlined** indicate that limit level is reached.
2. Water level monitoring was conducted on 5 and 29 October 2022.
3. Monitoring of all other parameters was conducted on 14 October 2022.

Table K2. Water quality monitoring (Laboratory Testing) at WRA during the reporting month

Cell No.	Ammonia-N mg/L	NOx-N mg/L	Total P mg/L	Reactive P mg/L	BOD mg/L
Cell 1-1	0.13	0.04	0.54	<0.01	11.0
Cell 1-2	0.15	0.05	0.60	<0.01	10.0
Cell 1-3	0.14	0.05	0.28	<0.01	5.0
Cell 2-1	0.10	0.04	0.12	<0.01	6.0
Cell 2-2	0.10	0.04	0.12	<0.01	6.0
Cell 2-3	0.09	0.04	0.10	<0.01	5.0
Cell 3-1	0.01	<0.01	0.11	<0.01	5.0
Cell 3-2	<0.01	<0.01	0.10	<0.01	6.0
Cell 3-3	0.02	<0.01	0.11	<0.01	5.0
Cell 4-1	<0.01	<0.01	0.07	<0.01	3.0
Cell 4-2	<0.01	<0.01	0.07	<0.01	3.0
Cell 4-3	0.03	<0.01	0.08	<0.01	3.0
Action Level	>3	>5	>5	-	-
Limit Level	>6	>10	>10	-	-

Note: 1. Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underlined** indicate that limit level is reached.

2. Monitoring of additional parameters was conducted on 14 October 2022.