

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)			
						(3 Oct 2023)	(10 Oct 2023)	(17 Oct 2023)	(24 Oct 2023)
1	26.3	7.9	0.1	12.8	9.4	180	200	185	190
2	25.1	7.9	0.1	7.0	8.1	175	190	180	180
3	26.3	7.9	0.1	11.7	8.7	215	235	220	220
4	26.2	7.8	0.1	3.7	7.7	205	230	215	215
Action Level	-	<6.5 or >8.0	>2	-	<2	<150 or >250			
Limit Level	-	<6.0 or >8.5	>5	-	<1	-			

Notes:

- Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underlined** indicate that limit level is reached.
- Water level monitoring was conducted on 3, 10, 17 and 24 October 2023.
- Monitoring of all other parameters was conducted on 13 October 2023.

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	0.02	<0.01	0.18	<0.01	6
Cell 1-2	0.04	<0.01	0.17	<0.01	5
Cell 1-3	0.03	<0.01	0.17	<0.01	7
Cell 2-1	0.03	<0.01	0.13	<0.01	4
Cell 2-2	0.02	<0.01	0.12	<0.01	5
Cell 2-3	0.02	<0.01	0.12	<0.01	4
Cell 3-1	0.03	<0.01	0.5	0.15	12
Cell 3-2	0.02	<0.01	0.4	0.13	13
Cell 3-3	0.02	<0.01	0.5	0.13	13
Cell 4-1	0.04	0.07	0.3	0.05	<2.0
Cell 4-2	0.04	0.06	0.3	0.05	<2.0
Cell 4-3	0.03	0.07	0.3	0.05	<2.0
Action Level	>3	>5	>5	-	-
Limit Level	>6	>10	>10	-	-

Note:

- Values highlighted in **bold** indicate that action level is reached; whereas values in **bold and underlined** indicate that limit level is reached.
- Monitoring of additional parameters was conducted on 13 October 2023.

