

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 Oct)	(11 Oct)	(15 Oct)
1	25.1	8.0	0.2	7.2	4.6	210	220	220
2	24.2	8.1	0.2	2.9	2.5	190	210	210
3	24.1	7.7	0.2	5.0	3.7	210	230	230
4	24.0	7.6	0.2	9.0	3.0	210	230	230
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, 11 and 15 October 2021.
3. Monitoring of all other parameters was conducted on 22 October 2021.

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	<0.01	<0.01	0.71	0.54	6.0
Cell 1-2	0.03	<0.01	0.70	0.50	4.0
Cell 1-3	0.04	<0.01	0.65	0.51	5.0
Cell 2-1	<0.01	<0.01	0.53	0.33	5.0
Cell 2-2	<0.01	<0.01	0.54	0.33	5.0
Cell 2-3	<0.01	<0.01	0.55	0.35	5.0
Cell 3-1	<0.01	<0.01	0.50	0.34	4.0
Cell 3-2	<0.01	<0.01	0.50	0.36	4.0
Cell 3-3	<0.01	<0.01	0.50	0.35	4.0
Cell 4-1	<0.01	<0.01	0.50	0.35	4.0
Cell 4-2	<0.01	<0.01	0.50	0.35	4.0
Cell 4-3	<0.01	<0.01	0.50	0.35	4.0
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 22 October 2021.