

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)			
						Additional (6 Oct)	Regular (12 Oct)	Additional (14 Oct)	Regular (27 Oct)
1	27.9	7.3	0.4	4.3	6.6	170	160	160	150
2	28.7	7.4	0.5	7.8	6.6	160	150	150	140
3	26.7	7.5	0.5	9.2	4.4	200	200	200	170
4	29.6	7.6	0.4	2.8	5.7	200	200	170	170
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. Regular water level monitoring was conducted on 12 and 27 October 2020.
3. Additional water level monitoring was conducted on 6 and 14 October 2020.
4. Monitoring of all other parameters was conducted on 19 October 2020.

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

Monitoring Locations	Ammonia-N mg/L	NOx-N mg/L	Total P mg/L	Reactive P mg/L	BOD mg/L
Cell 1-1	0.03	0.03	0.03	0.01	<2
Cell 1-2	0.02	0.04	0.03	<0.01	<2
Cell 1-3	0.01	0.03	0.03	<0.01	<2
Cell 2-1	0.02	0.01	0.05	0.01	<2
Cell 2-2	0.01	<0.01	0.08	<0.01	4
Cell 2-3	<0.01	0.01	0.05	<0.01	<2
Cell 3-1	0.01	0.01	0.04	0.01	<2
Cell 3-2	0.01	0.02	0.04	0.01	<2
Cell 3-3	<0.01	0.02	0.04	0.01	2
Cell 4-1	<0.01	0.02	0.03	0.02	2
Cell 4-2	<0.01	0.01	0.03	0.01	<2
Cell 4-3	<0.01	0.02	0.03	0.01	<2
Action Level	>3	>5	>5	-	-
Limit Level	>6	>10	>10	-	-

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. Monitoring of additional parameters was conducted on 19 October 2020.