

Appendix D. Summary of Water Quality Monitoring

Table D1. Water quality at WRA

November 2016

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)
1	24.1	7.76	0.15	10.4	5.5	180
2	24.1	7.56	0.17	12.8	5.4	170
3	24.8	7.52	0.16	5.0	6.9	170
4	25.3	7.45	0.19	7.3	6.5	160

December 2016

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)
1	22.1	7.49	0.13	8.7	7.4	170
2	22.0	7.52	0.15	11.3	7.6	160
3	21.6	7.63	0.17	6.6	7.1	160
4	21.9	7.44	0.20	8.2	6.8	150

January 2017

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)
1	20.7	7.71	0.23	7.7	5.6	160
2	20.7	7.51	0.26	12.0	5.6	150
3	21.4	7.47	0.25	8.0	6.4	150
4	21.9	7.40	0.28	8.6	6.0	150

Action Level	-	<6.5 or >8.0	>2	-	<2	<150 or >250
Limit Level	-	<6.0 or >8.5	>5	-	<1	-

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

February 2017

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)
1	17.3	7.82	0.27	9.2	8.3	160
2	16.8	7.77	0.25	7.8	8.2	150
3	16.5	7.53	0.25	11.3	8.9	150
4	16.9	7.68	0.28	6.7	8.6	130

March 2017

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)	Additional water level monitoring (cm)
1	21.1	8.11	0.30	6.1	8.2	150	130
2	21.4	8.05	0.34	7.7	7.3	140	120
3	21.3	7.86	0.35	10.1	7.1	140	130
4	22.8	7.79	0.33	13.3	6.9	140	120

April 2017

Cell No.	Temp. (°C)	pH	Salinity (ppt)	Turbidity (NTU)	DO (mg/L)	Water Level (cm)	Additional water level monitoring (cm)
1	24.2	7.99	0.32	5.7	7.7	150	150
2	24.5	7.93	0.36	7.3	6.8	140	140
3	24.4	7.74	0.37	9.7	6.6	140	140
4	25.9	7.67	0.35	12.9	6.4	130	140
Action Level	-	<6.5 or >8.0	>2	-	<2	<150 or >250	
Limit Level	-	<6.0 or >8.5	>5	-	<1	-	

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