

Appendix F Post Fieldwork Monitoring

Site Record Type: In-situ parameter readings

Technician: Curtis Neylon / Josh Townrow

Instrument: AQUA TROLL 500

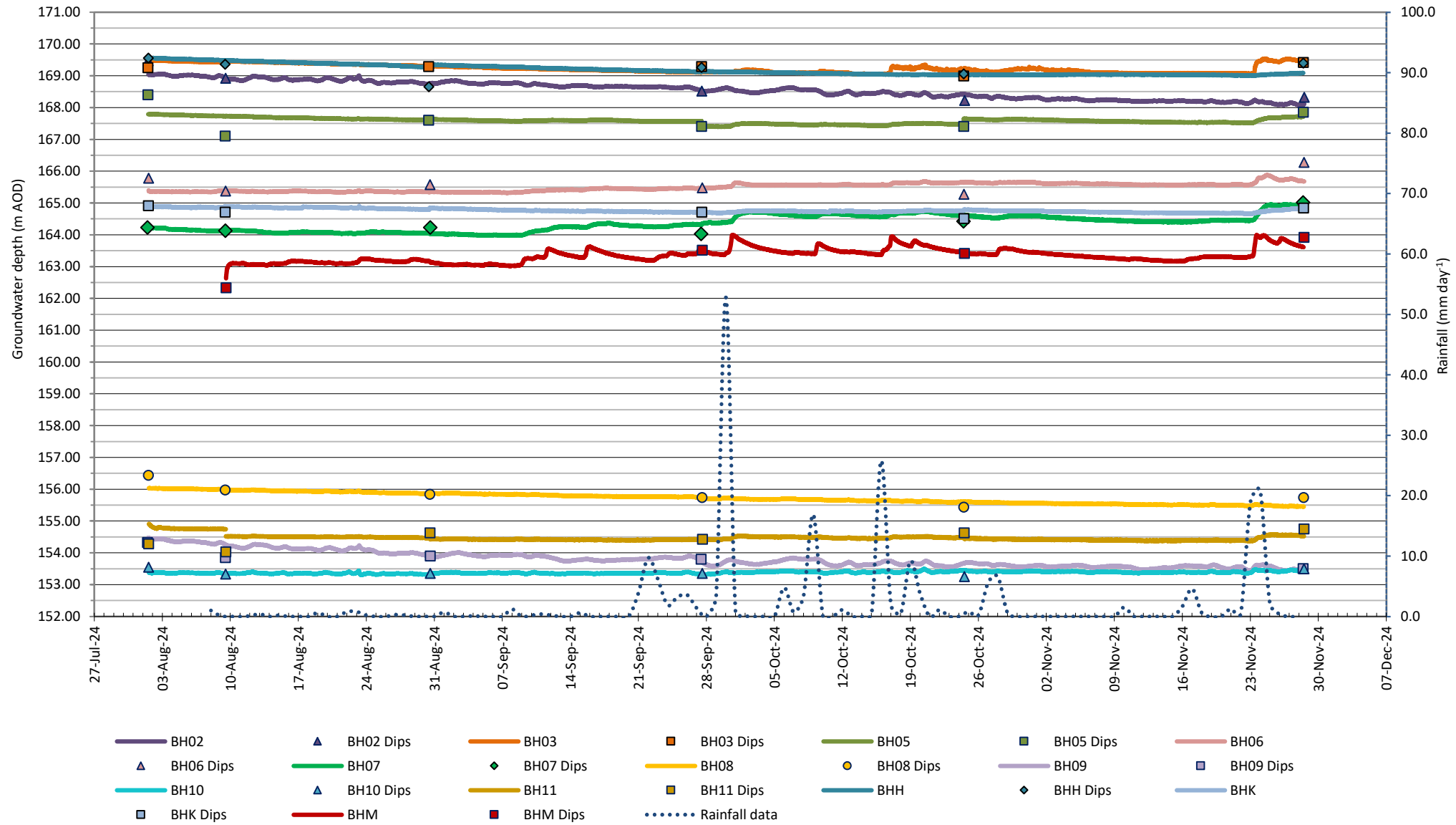
Date / Time	Location	Turbidity (NTU)	pH	ORP (mV)	Specific Conductivity (µS/cm)	Total Dissolved Solids (ppt)	RDO Saturation (%Sat)
22/02/2022 14:03	Spring 1	0.0	6.5	38.0	0.078	0.00005	97.4
22/02/2022 13:32	Spring 2	0.0	6.8	15.2	0.077	0.00005	97.7
22/02/2023 13:07	Spring 3	0.0	5.9	29.1	0.078	0.00005	97.6
22/02/2023 12:40	Spring 4	0.0	6.2	2.0	0.911	0.00059	96.8
14/03/2023 12:13	Spring 1	0.0	5.6	37.96	0.078	0.00005	97.7
14/03/2023 11:44	Spring 2	0.0	6.1	-20.6	0.082	0.00005	97.4
14/03/2023 11:25	Spring 3	0.0	6.1	43.8	3.000	0.00195	98.1
14/03/2023 11:57	Spring 4	0.0	5.8	14.3	0.080	0.00005	97.4
29/03/2023 11:37	Spring 1	0.8	6.0	-11.3	3.586	0.00233	98.8
29/03/2023 10:53	Spring 2	0.4	7.4	-65.6	30.200	0.01965	97.2
29/03/2023 12:14	Spring 3	4.6	6.0	24.9	1.333	0.00087	98.2
29/03/2023 11:54	Spring 4	1.1	6.3	5.8	1.256	0.00082	98.1

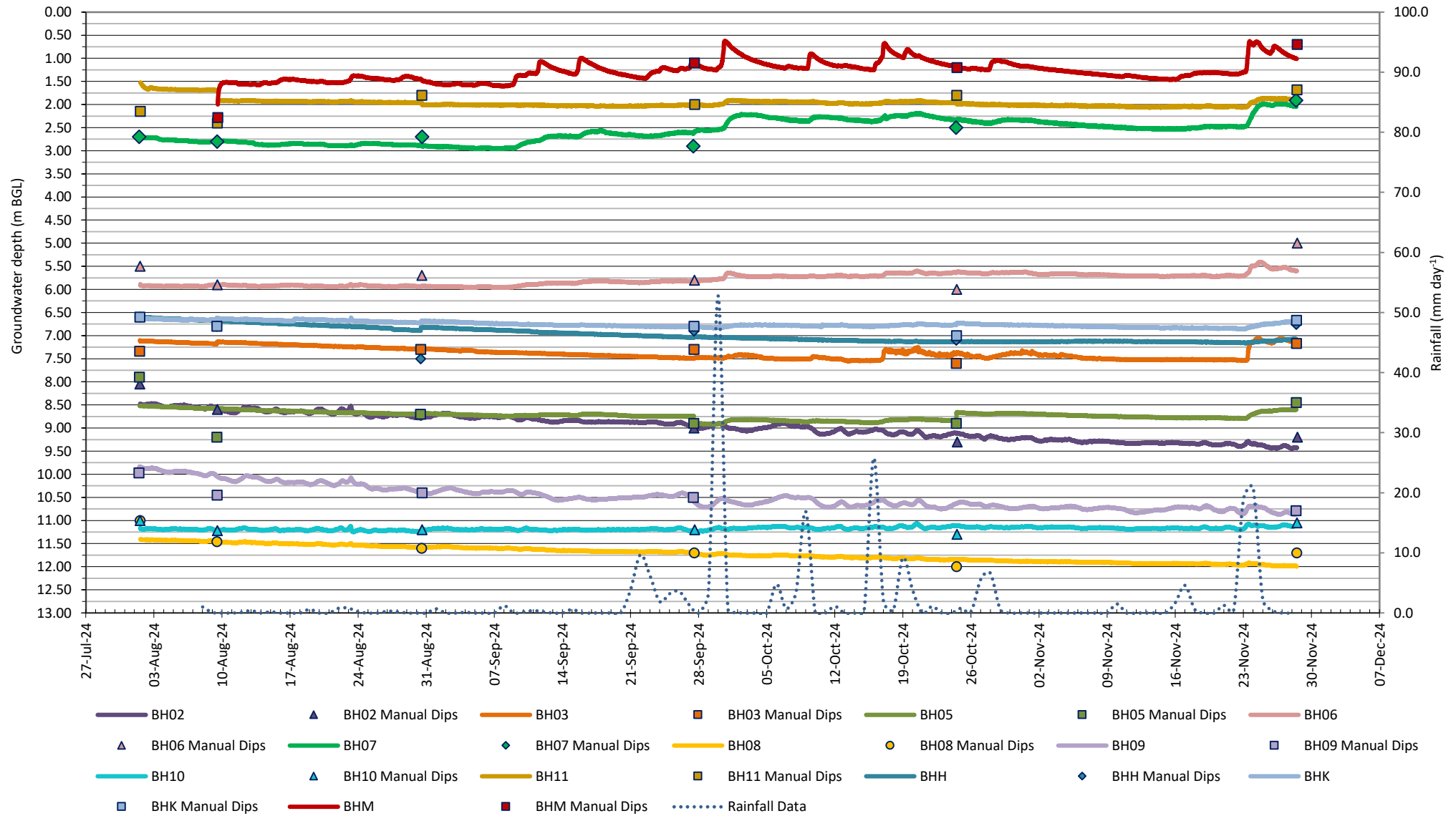
Ground gas and groundwater monitoring results

Notes

- 1) The instrument limit of detection has been adopted where no gas flows or concentrations have been recorded (indicated in grey italics).
2) Atmospheric temperature (*) data sourced from local weather station data.
3) CH4 = methane; CO2 = carbon dioxide; O2 = oxygen; PPM = parts per million CO = carbon monoxide; H2S = hydrogen sulphide.
4) Gas Screening Values (GSVs) are rounded to 3 decimal places.

Worst case scenario									0.6	0.9	0.8	3.7	3.4	18.6	18.6	2	0	0.01	0.00	0.02	0.02	GREEN	GREEN	ONE	
Average scenario									0.2	0.2	0.1	1.1	1.0	20.1	20.1	0	0	0.00	0.00	0.00	0.00	GREEN	GREEN	ONE	
Date	Time	Location	Install Reference	Install Response Zone		Atmospheric Pressure (mB)	Atmospheric Temperature (°C) *	Depth to Water (m)	Gas Steady Flow	CH ₄ (%v/v)		CO ₂ (%v/v)		O ₂ (%v/v)		Other Gases (PPM)		GSV (CH ₄)		GSV (CO ₂)		Indicative NHBC Guideline		Indicative (steady) CIRIA Characteristic Situation	Notes
				Response Zone (mBGL)	Flooded				l/Hr	Peak	Steady	Peak	Steady	Minimum	Average	CO	H ₂ S	Peak	Steady	Peak	Steady	Peak	Steady		
01/08/2024	13:33	WS01	1	1.00 - 5.00	No	993	22	Dry	0	0.0	0.0	0.5	0.2	20.2	21.0	0	0	0.000	0.000	0.001	0.000	GREEN	GREEN	CS-1	
30/08/2024	12:06	WS01	1	1.00 - 5.00	No	1006	19	Dry	0	0.0	0.0	0.7	0.4	19.3	19.5	0	0	0.000	0.000	0.001	0.000	GREEN	GREEN	CS-1	
27/09/2024	10:14	WS01	1	1.00 - 5.00	No	983	11	Dry	0.2	0.1	0.1	0.1	0.1	20.8	20.9	0	0	0.000	0.000	0.000	0.000	GREEN	GREEN	CS-1	
24/10/2024	11:05	WS01	1	1.00 - 5.00	No	999	12	Dry	0	0.1	0.1	0.6	0.6	20.5	20.5	0	0	0.000	0.000	0.001	0.001	GREEN	GREEN	CS-1	
28/11/2024	09:24	WS01	1	1.00 - 5.00	No	1008	1	Dry	0.5	0.1	0.1	0.1	0.1	21.3	21.4	0	0	0.001	0.001	0.001	0.001	GREEN	GREEN	CS-1	
01/08/2024	13:24	WS02	1	1.00 - 5.00	No	994	22	Dry	0	0.0	0.0	1.1	1.1	20.1	20.1	0	0	0.000	0.000	0.001	0.001	GREEN	GREEN	CS-1	
30/08/2024	12:24	WS02	1	1.00 - 5.00	No	1006	19	Dry	0	0.0	0.0	0.4	0.4	19.1	19.5	0	0	0.000	0.000	0.000	0.000	GREEN	GREEN	CS-1	
27/09/2024	10:26	WS02	1	1.00 - 5.00	No	984	11	Dry	0.2	0.1	0.1	0.6	0.6	20.3	20.3	0	0	0.000	0.000	0.001	0.001	GREEN	GREEN	CS-1	
24/10/2024	11:15	WS02	1	1.00 - 5.00	Yes	999	12	0.60	0	0.1	0.1	0.3	0.3	20.7	20.7	0	0	0.000	0.000	0.000	0.000	GREEN	GREEN	CS-1	
28/11/2024	09:35	WS02	1	1.00 - 5.00	Yes	1009	1	0.55	0.6	0.1	0.1	0.4	0.4	21.3	21.3	0	0	0.001	0.001	0.002	0.002	GREEN	GREEN	CS-1	
01/08/2024	13:41	WS03	1	1.00 - 2.00	No	993	22	Dry	0	0.0	0.0	0.2	0.7	20.9	20.5	0	0	0.000	0.000	0.000	0.001	GREEN	GREEN	CS-1	
30/08/2024	11:29	WS03	1	1.00 - 2.00	No	1006	19	Dry	0	0.1	0.0	0.3	0.3	20.1	20.1	0	0	0.000	0.000	0.000	0.000	GREEN	GREEN	CS-1	
27/09/2024	10:36	WS03	1	1.00 - 2.00	No	985	11	Dry	0.2	0.1	0.1	1.6	1.6	18.6	18.6	0	0	0.000	0.000	0.003	0.003	GREEN	GREEN	CS-1	
24/10/2024	11:24	WS03	1	1.00 - 2.00	Yes	999	12	0.90	0	0.1	0.1	0.5	0.5	20.3	20.3	0	0	0.000	0.000	0.001	0.001	GREEN	GREEN	CS-1	
28/11/2024	09:46	WS03	1	1.00 - 2.00	Yes	1009	1	0.60	0.5	0.2	0.1	1.1	1.0	20.8	20.8	0	0	0.001	0.001	0.006	0.005	GREEN	GREEN	CS-1	
01/08/2024	13:51	WS04	1	1.00 - 5.00	Yes	993	22	0.60	0	0.0	0.0	0.2	0.0	20.9	20.1	0	0	0.000	0.000	0.000	0.000	GREEN	GREEN	CS-1	
30/08/2024	11:50	WS04	1	1.00 - 5.00	Yes	985	19	0.60	0.2	0.3	0.3	3.7	3.4	18.6	18.6	2	0	0.001	0.001	0.007	0.007	GREEN	GREEN	CS-1	
27/09/2024	10:45	WS04	1	1.00 - 5.00	Yes	985	11	0.60	0.2	0.3	0.3	3.7	3.4	18.6	18.6	2	0	0.001	0.001	0.007	0.007	GREEN	GREEN	CS-1	
24/10/2024	11:36	WS04	1	1.00 - 5.00	Yes	1000	12	0.40	0	0.6	0.5	2.4	2.2	19.7	19.7	0	0	0.001	0.001	0.002	0.002	GREEN	GREEN	CS-1	
28/11/2024	09:59	WS04	1	1.00 - 5.00	Yes	1010	1	0.38	0.5	0.9	0.8	2.9	2.7	20.3	20.3	0	0	0.005	0.004	0.015	0.014	GREEN	GREEN	CS-1	





Title
Groundwater Monitoring Data: m BGL

Scale
As shown

Appendix
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