March 2018 Water Monitoring Report

Revision B (Addendum)

Gloucester Gas Project Tiedman Irrigation Program EPL 20358

Reporting Period: February 2018

AGL Energy Limited
ABN: 74 115 061 375
Level 24, 200 George St
Sydney NSW 2000
Locked Bag 1837
St Leonards NSW 2065
t: 02 9921 2999
f: 02 9921 2552
agl.com.au

Forward

PREMISES	Gloucester Coal Seam Gas Project Bucketts Way Gloucester NSW 2422
LICENCE DETAILS	Environment Protection Licence 20358
LICENCEE	AGL Upstream Investments Pty Limited (AGL)
LICENCEE'S ADDRESS	Locked Bag 1837, St Leonards, NSW 2065
MONITORING DATE	12 and 13 February 2018
MONITORING BY	EMM Consulting Pty Ltd (EMM), on behalf of AGL
ANALYSIS BY	ALS Laboratory, Smithfield (Work order: ES1804862)
DATE AGL OBTAINED DATA	21 March 2018
REPORT DATE	21 March 2018 Revision B (Addendum): 23 March 2018
REPORT PREPARED BY	James Duggleby, Principal Hydrogeologist, EMM, on behalf of AGL

Introduction

On 4 February 2016 AGL Upstream Investments Pty Ltd (AGL) announced that the GGP will not proceed to final investment stage. AGL will relinquish Petroleum Exploration Licence (PEL) 285 to the NSW Government and are completing a comprehensive decommissioning and rehabilitation program for well sites and other infrastructure in the Gloucester region.

This Monitoring Report relates to the water monitoring activities specified in Part 5, Monitoring and Recording Conditions, of the Environment Protection Licence 20358. This report relates specifically to the monitoring surrounding the Tiedman Irrigation Program, and details monitoring results from a quarterly water sampling event at the Tiedman Irrigation Program (12 and 13 February 2018).

As per the Licence, the monitoring encompasses the monitoring points at the locations as shown in Table 1 and Figure 1. The specific analytes and frequency tested are shown in Table 2. The monitoring results for this reporting period are shown in Table 3, Table 4, and Table 5.

The monitoring points that are the subject of this report were part of the GGP groundwater monitoring network, as described in AGL's Water Management Plan for the Tiedman Irrigation Program (AGL, 2012a) and Soil Quality Monitoring and Management Program (AGL, 2012b)). Water monitoring results for the irrigation program are presented in a baseline water monitoring report (PB, 2013a) and six-monthly compliance reports (PB, 2013a, 2013b, 2014a, 2014b, 2015a, and 2015b).

The following sampling methods were used to obtain surface water and groundwater samples:

- Submersible 12V pump at the groundwater monitoring bores screened within relatively permeable geological materials: TMB01, TMB02 and TMB03. A minimum of three well volumes was purged prior to sampling.
- Submersible 12V pump at the seepage monitoring bores TMB04 and TMB05 which are screened within material of very low permeability. The physical parameters of the purged groundwater were initially tested, then the bores were purged dry and if any inflow was observed within 12 hours then physical parameters were tested again and a sample taken for analysis.
- Disposable bailer at the shallow perched soil water piezometers (with piezometers purged dry and if any inflow was observed within 12 hours then physical parameters were tested again and a sample taken for analysis). Note, all soil water piezometers were dry during the February 2018 sampling event.
- Micro-purge low-flow sample pump for groundwater monitoring bores S4MB01, TTMB02 and TCMB01 screened within material of relatively low permeability.

EC and pH were monitored during purging to ensure that they had stabilised prior to sample collection. The water quality samples are analysed by an external NATA certified laboratory (ALS Environmental, Smithfield), in accordance with the EPA Approved Methods Publication "Approved Methods for the Sampling and Analysis of Water Pollutants in New South Wales" (EPA, 2004), with the exception of calcium, which underwent filtration rather than acid extraction as a preliminary treatment prior to analysis.

This report is prepared in accordance with the Requirements for Publishing Pollution Monitoring Data (EPA, 2012) (Publication Requirements).

The remaining water and land monitoring points in EPL 20358 will be reported in subsequent reports when the requirement for monitoring is triggered.

More information on the groundwater monitoring of the GGP is available on the project website: agl.com.au/Gloucester

Table 1 Water quality monitoring points: Irrigation Program (as per EPL 20358)

EPA ID no.	Monitoring Point	Type of monitoring point	Easting (m)	Northing (m)
30	TMB04	Groundwater quality monitoring	402558.1	6448921.7
31	TMB05	Groundwater quality monitoring	402650.1	6448725.3
39	TMB01	Groundwater quality monitoring	401996.98	6449419.7
40	TMB02	Groundwater quality monitoring	401905.11	6449100.6
41	TMB03	Groundwater quality monitoring	401969.53	6448755
42	S4MB01	Groundwater quality monitoring	402581.88	6449409.7
43	TCMB01	Groundwater quality monitoring	402501.7	6448899
44	TTMB02	Groundwater quality monitoring	402699	6449358
45	SP1B	Soil water quality monitoring	402570.3	6449381.3
46	SP2B	Soil water quality monitoring	402444.2	6449100.1
47	SP4B	Soil water quality monitoring	402252	6449131.3
48	SP6B	Soil water quality monitoring	402103.5	6449178.6
49	SP7B	Soil water quality monitoring	402144.8	6449292.1
50	SP8B	Soil water quality monitoring	402159.1	6449454.8
51	SP9B	Soil water quality monitoring	402387.5	6449016.9
52	SP10B	Soil water quality monitoring	402344.2	6448840.6
91	Tiedman Dams Irrigation Discharge	Discharge point of blended water	Tiedman South Dam	

Coordinate reference system: Map Grid of Australia 1994

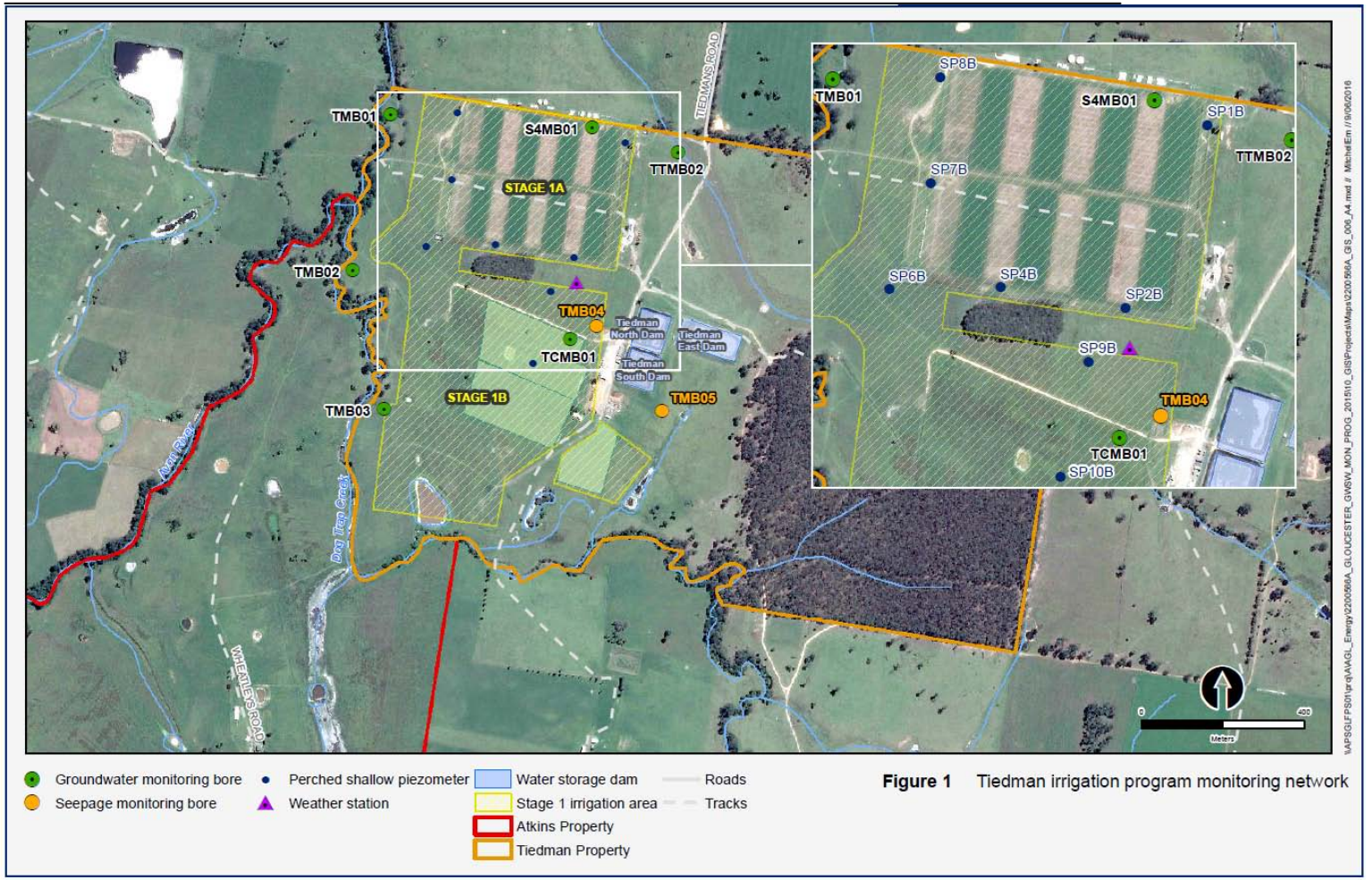

Figure 1 Tiedman irrigation program monitoring network

Figure 1 Location of groundwater and surface water quality monitoring points (as per EPL 20358)

Table 2: Analytes monitored and frequency - monitoring points 30 – 52, as per the EPL 20358 version valid at the time of sampling (version 24 November 2017)

Analyte	Units of measure	Monitoring points							
		30,31		39,40,41,42,43,44		45,46,47,48,49,50,51, 52		91[b]	
		Frequency	sampling method	Frequency	sampling method	Frequency	sampling method	Frequency	sampling method
Aluminium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Ammonia	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Arsenic	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Barium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Benzene	micrograms per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Beryllium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Bicarbonate	milligrams per litre	Special Frequency 1	Grab sample					Monthly	Grab sample
Boron	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Cadmium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Calcium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Chloride	milligrams per litre	Special Frequency 1	Grab sample					Monthly	Grab sample
Chromium	milligrams per litre			Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Cobalt	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Copper	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Dissolved oxygen	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample		
Electrical conductivity	microsiemens per centimetre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Fortnightly	Probe
Ethyl benzene	micrograms per litre[a]	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Fluoride	milligrams per litre							Monthly	Grab sample
Iron	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Lead	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Magnesium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Manganese	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Mercury	milligrams per litre			Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Molybdenum	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Nickel	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Nitrate	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Nitrite	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Nitrogen (total)	milligrams per litre							Monthly	Grab sample
pH	pH			Quarterly	Grab sample	Quarterly	Grab sample	Fortnightly	Probe
Phosphorus (total)	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Potassium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Reactive Phosphorus	milligrams per litre	Special Frequency 1	Grab sample						
Redox potential	millivolts	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Fortnightly	Probe
Selenium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Silica	milligrams per litre			Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Sodium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Sodium Adsorption Ratio	milligrams per litre[c]							Monthly	Grab sample[c]
Standing water level	meters (Australian Height Datum)	Special frequency 8	Special method 5	Special frequency 8	Special method 5	Quarterly	Special method 1		
Strontium (dissolved)	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Sulfate	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Temperature	degrees Celcius							Fornightly	Probe
Toluene	micrograms per litre[a]	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Total alkalinity	milligrams per litre			Quarterly	Grab sample			Monthly	Grab sample
Total dissolved solids	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Fornightly	Probe
Total organic carbon	milligrams per litre	Special Frequency 1	Grab sample					Monthly	Grab sample
Total suspended solids	milligrams per litre							Monthly	Grab sample
Uranium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Vanadium	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Xylene	micrograms per litre[a]	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample
Zinc	milligrams per litre	Special Frequency 1	Grab sample	Quarterly	Grab sample	Quarterly	Grab sample	Monthly	Grab sample

Notes:

Special Frequency 1 - Quarterly if inflow within 12 hours of purging dry.

Special Frequency 8 - Every 6 hours. Note these monitoring points may form part of AGL's rehabilitation work, and should a monitoring point be rehabilitated, than monitoring will no longer be required from that point.

Special Method 1 - Manual dip Special Method 4 - By calculation Special Method 5 - Automated datalogger

Shaded grey - not required to be analysed

[a]EPL20358 (issued 5 January 2017) contains inconsistancies in the required Units of Measure for Toluene, Ethyl Benzene and Xylene. For consistency with laboratory data BTEX concentrations are reported here in micrograms per litre.

[b]Monitoring Point 91 is only required during periods when the Licensee is utilising the water irrigation or stock use.

[c] Unit of measure is incorrectly referenced as 'miligrams per litre' - should be 'ratio'. And sampling method is incorrectly assigned as 'grab sample' in EPL - should be 'Special Method 4 - By calculation'

Groundwater and surface water monitoring results

Table 3: February 2018 water monitoring results for monitoring points 30-44

		Monitoring points	30	31	39	40	41	42	43	44
		Location	TMB04	TMB05	TMB01	TMB02	TMB03	S4MB01	TCMB01	TTMB02
		Sampled date	13/02/2018	13/02/2018	12/02/2018	12/02/2018	12/02/2018	12/02/2018	13/02/2018	12/02/2018
		Date AGL obtained data	21/03/2018	21/03/2018	21/03/2018	21/03/2018	21/03/2018	21/03/2018	21/03/2018	21/03/2018
Analyte	**Units of measure**	**Limit of reporting**								
Aluminium	mg/L	0.01	0.04	0.17	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Ammonia	mg/L	0.01	0.08	0.38	0.19	0.23	0.18	1.87	1.28	0.63
Arsenic	mg/L	0.001	<0.001	0.002	0.001	0.002	0.002	<0.001	<0.001	<0.001
Barium	mg/L	0.001	0.073	0.115	0.196	0.600	0.157	4.50	9.03	0.199
Benzene	µg/L	1	<1	<1	<1	<1	<1	<1	<1	<1
Beryllium	mg/L	0.001	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Bicarbonate	mg/L	1	125	62						
Boron	mg/L	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.12	<0.05	<0.05
Cadmium	mg/L	0.0001	0.0009	0.0006	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Calcium	mg/L	1	77	63	212	122	208	254	257	188
Chloride	mg/L	0.1	1910	2100						
Chromium	mg/L	0.001			<0.001	0.002	<0.001	<0.001	<0.001	<0.001
Cobalt	mg/L	0.001	0.089	0.143	<0.001	0.002	<0.001	<0.001	<0.001	<0.001
Copper	mg/L	0.001	0.002	0.004	0.003	0.004	0.002	<0.001	<0.001	<0.001
Dissolved oxygen[a]	mg/L	0.01	0.81	2.51	0.58	0.44	5.15	0.63	1.10	1.35
Electrical conductivity	µS/cm	1	7520	7360	9010	4270	5960	4580	3050	2460
Ethyl benzene	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
Fluoride	mg/L	0.1								
Iron	mg/L	0.05	4.86	22.9	1.99	4.05	3.05	0.28	2.45	0.65
Lead	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
Magnesium	mg/L	1	206	220	224	82	122	45	72	55
Manganese	mg/L	0.001	10.2	17.9	0.694	1.26	1.29	0.135	0.036	0.029
Mercury	mg/L	0.0001			<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Molybdenum	mg/L	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
Nickel	mg/L	0.001	0.037	0.076	<0.001	<0.001	<0.001	<0.001	0.002	<0.001
Nitrate	mg/L	0.01	0.02	0.07	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrite	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen (total)	mg/L	0.1								
pH[a]	pH	0.01			6.71	6.96	6.78	7.01	6.68	6.70
Phosphorus (total)	mg/L	0.01	0.07	0.06	0.05	0.06	0.02	0.05	<0.01	0.34
Potassium	mg/L	1	20	12	2	2	2	5	4	4
Reactive Phosphorus	mg/L	0.01	<0.01	<0.01						
Redox potential[a]	mV	0.1	52.7	39.3	-82.5	-40.7	-28.6	-176.0	-76.1	-74.3
Selenium	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Silica	mg/L	0.05			32.8	31.8	29.1	25.8	19.8	32.4
Sodium	mg/L	1	1030	938	1150	546	691	575	286	269
Sodium Adsorption Ratio	ratio	0.01								
Standing water level	m AHD	-	Refer to Table 5	Refer to Table 5	Refer to Table 5	Refer to Table 5	Refer to Table 5	Refer to Table 5	Refer to Table 5	Refer to Table 5
Strontium (dissolved)	mg/L	0.001	0.786	1.05	5.34	2.59	4.73	20.0	14.2	0.87
Sulfate	mg/L	1	531	191	77	58	192	12	<1	61
Temperature[a]	°C	0.1								
Toluene	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
Total alkalinity	mg/L	1			619	211	508	420	313	382
Total dissolved solids	mg/L	10	4770	4570	5830	2830	3700	2960	2220	1680
Total organic carbon	mg/L	1	5	7						
Total suspended solids	mg/L	5								
Uranium	mg/L	0.001	<0.001	<0.001	0.005	<0.001	0.004	<0.001	<0.001	<0.001
Vanadium	mg/L	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Xylene	µg/L	2	<2	<2	<2	<2	<2	<2	<2	<2
Zinc	mg/L	0.005	0.227	0.477	0.012	0.011	0.008	<0.005	0.006	<0.005

Key:

Shaded grey = not required to be analysed

[a]measured with calibrated field meter

na - not analysed as no sample collected

Groundwater and surface water monitoring results

Table 4: February 2018 water monitoring results for monitoring points 45 – 52

		Monitoring points	45	46	47	48	49	50	51	52
		Location	SP1B[b]	SP2B[b]	SP4B[b]	SP6B[b]	SP7B[b]	SP8B[b]	SP9B[b]	SP10B[b]
		Sampled date	12/02/2018	12/02/2018	12/02/2018	12/02/2018	12/02/2018	12/02/2018	12/02/2018	12/02/2018
		Date AGL obtained data	na	na	na	na	na	na	na	na
Analyte	**Units of measure**	**Limit of reporting**								
Aluminium	mg/L	0.01	na	na	na	na	na	na	na	na
Ammonia	mg/L	0.01	na	na	na	na	na	na	na	na
Arsenic	mg/L	0.001	na	na	na	na	na	na	na	na
Barium	mg/L	0.001	na	na	na	na	na	na	na	na
Benzene	µg/L	1	na	na	na	na	na	na	na	na
Beryllium	mg/L	0.001	na	na	na	na	na	na	na	na
Bicarbonate	mg/L	1								
Boron	mg/L	0.05	na	na	na	na	na	na	na	na
Cadmium	mg/L	0.0001	na	na	na	na	na	na	na	na
Calcium	mg/L	1	na	na	na	na	na	na	na	na
Chloride	mg/L	0.1								
Chromium	mg/L	0.001	na	na	na	na	na	na	na	na
Cobalt	mg/L	0.001	na	na	na	na	na	na	na	na
Copper	mg/L	0.001	na	na	na	na	na	na	na	na
Dissolved oxygen[a]	mg/L	0.01	na	na	na	na	na	na	na	na
Electrical conductivity	µS/cm	1	na	na	na	na	na	na	na	na
Ethyl benzene	µg/L	2	na	na	na	na	na	na	na	na
Fluoride	mg/L	0.1								
Iron	mg/L	0.05	na	na	na	na	na	na	na	na
Lead	mg/L	0.001	na	na	na	na	na	na	na	na
Magnesium	mg/L	1	na	na	na	na	na	na	na	na
Manganese	mg/L	0.001	na	na	na	na	na	na	na	na
Mercury	mg/L	0.0001	na	na	na	na	na	na	na	na
Molybdenum	mg/L	0.001	na	na	na	na	na	na	na	na
Nickel	mg/L	0.001	na	na	na	na	na	na	na	na
Nitrate	mg/L	0.01	na	na	na	na	na	na	na	na
Nitrite	mg/L	0.01	na	na	na	na	na	na	na	na
Nitrogen (total)	mg/L	0.1								
pH[a]	pH	0.01	na	na	na	na	na	na	na	na
Phosphorus (total)	mg/L	0.01	na	na	na	na	na	na	na	na
Potassium	mg/L	1	na	na	na	na	na	na	na	na
Reactive Phosphorus	mg/L	0.01								
Redox potential[a]	mV	0.1	na	na	na	na	na	na	na	na
Selenium	mg/L	0.01	na	na	na	na	na	na	na	na
Silica	mg/L	0.05	na	na	na	na	na	na	na	na
Sodium	mg/L	1	na	na	na	na	na	na	na	na
Sodium Adsorption Ratio	ratio	0.01								
Standing water level	m AHD	-	na	na	na	na	na	na	na	na
Strontium (dissolved)	mg/L	0.001	na	na	na	na	na	na	na	na
Sulfate	mg/L	1	na	na	na	na	na	na	na	na
Temperature[a]	°C	0.1								
Toluene	µg/L	2	na	na	na	na	na	na	na	na
Total alkalinity	mg/L	1								
Total dissolved solids	mg/L	10	na	na	na	na	na	na	na	na
Total organic carbon	mg/L	1								
Total suspended solids	mg/L	5								
Uranium	mg/L	0.001	na	na	na	na	na	na	na	na
Vanadium	mg/L	0.01	na	na	na	na	na	na	na	na
Xylene	µg/L	2	na	na	na	na	na	na	na	na
Zinc	mg/L	0.005	na	na	na	na	na	na	na	na

Shaded grey = not required to be analysed

[a] measured with calibrated field meter

[b] No water present at this location at the time of sampling

na - not analysed as no sample collected

Table 5 Continuous water level monitoring results for monitoring points 30, 31, 39 - 44 for the period 15 November 2017 – 12 February 2018

Monitoring point	30	31	39	40	41	42	43	44
Location	TMB04[1]	TMB05	TMB01	TMB02	TMB03	S4MB01	TCMB01	TTMB02
Data type	Standing water level							
Units	mAHD							
Data date range	15/11/2017 – 12/02/2018						15/11/17 – 13/02/18	15/11/17 – 12/02/18
Date data downloaded	-[1]	12/02/2018					13/02/18	12/02/18
Date data supplied to AGL	-[1]	21 March 2018						
Monitoring frequency required by EPL 20358	Every 6 hours							
Actual monitoring frequency	Every 6 hours							
No. of times measured during monitoring period	-[1]	359	357	357	357	357	360	357
Min. value	-[1]	110.59	102.03	102.41	103.41	113.20	113.77	113.84
Mean value	-[1]	113.17	102.40	102.58	103.59	113.34	113.82	113.94
Median value	-[1]	113.24	102.40	102.57	103.61	113.34	113.82	113.94
Max. value	-[1]	113.31	102.68	102.70	103.71	113.40	113.86	114.01

[1]The datalogger at TMB04 failed to download on 12/02/2018. The logger was sent back to the manufacturer for review, however the data could not be retrieved due to a malfunction caused by water ingress and corrosion to the battery. The datalogger was replaced on 12/02/18 with a new unit.

References

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