Monthly Monitoring Data

Newcastle Coal INFRASTRUCTURE GROUP

Environmental Protection Licence Number: 12693
link to EPL12693 on EPA Public Register: Click Here
Licensee: Newcastle Coal Infrastructure Group Pty Ltd, Locked Bag 6003, Hunter Region Mail Centre NSW 2310
Premises: Newcastle Coal Infrastructure Group, Cormorant Road, Kooragang NSW 2304
Date Data Obtained: 18 Aug 2026
Date Published: 3 Nov 2026

Note: On the 25th of August 2017 an amendment was made to the NCIG Environmental Protection Licence (EPL12693) which removed the requirement for ambient air quality monitoring at Points 7-10 and 14-15. However, NCIG will continue to publish ambient air quality data for these locations previously listed in EPL12693 for the interest of the public.

Depositional Dust Monitoring
Sample Period: 04 Jun 2026 – 06 Jul 2026
Units of Measure: Insoluble Solids (grams per square metre per month (g/m^2/month))
Frequency: Monthly

	Monitoring Point 7 - DG3 (Kooragang Island)	Monitoring Point 8 - DG4 (Mayfield Sport Rec Club)	Monitoring Point 9 - DG5 (Mayfield West)	Monitoring Point 10 - DG6 (Sandgate)
Depositional Dust	0.3	0.3	0.4	2.4

High Volume Air Sampling
Units of measure: Micrograms per cubic metre ($\mu g/m^3$)
Frequency: Weekly

	Monitoring Point 14 - HVAS 1 (Steel River, Mayfield West)			Monitoring Point 15 - HVAS 2 (Crebert Street, Mayfield)		
	TSP	PM10		TSP	PM10	
01-Jun-26	29.0	**01-Jun-26**	14.7	**06-Jun-26**	26	**06-Jun-26**	15
07-Jun-26	29.6	**07-Jun-26**	16.1	**12-Jun-26**	21	**12-Jun-26**	10
13-Jun-26	20.6	**13-Jun-26**	14.3	**18-Jun-26**	23	**18-Jun-26**	14
19-Jun-26	34.2	**19-Jun-26**	11.9	**24-Jun-26**	18	**24-Jun-26**	11
25-Jun-26	12.4	**25-Jun-26**	6.5	**30-Jun-26**	32	**30-Jun-26**	16

NB: Sample period is a 24-hour period on each of the above dates | TSP = Total Suspended Particulates | PM10 = Particulate Matter <10 microns |

6 Monthly Groundwater Monitoring

Sampling Point 1, 38, 39 (Background Monitoring Wells)

Groundwater Sampling Point 1 (GW1)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Every 6 Months	7.4
Conductivity	µS/cm	Every 6 Months	11000
Bromide	mg/L	Every 6 Months	9.9
Aluminium	mg/L	Every 6 Months	<0.01
Arsenic	mg/L	Every 6 Months	<0.001
Cadmium	mg/L	Every 6 Months	<0.0001
Copper	mg/L	Every 6 Months	<0.001
Manganese	mg/L	Every 6 Months	0.150
Nickel	mg/L	Every 6 Months	<0.001
Zinc	mg/L	Every 6 Months	0.003
Iron	mg/L	Every 6 Months	0.02
Total PAH	µg/L	Every 6 Months	<0.1
TPH C6-9 Fraction	µg/L	Every 6 Months	<10
TPH C10-14 Fraction	µg/L	Every 6 Months	<50
TPH C15-28 Fraction	µg/L	Every 6 Months	<100
TPH C29-36 Fraction	µg/L	Every 6 Months	<100
Cyanide (free)	mg/L	Every 6 Months	<0.004
Cyanide (total)	mg/L	Every 6 Months	<0.004

Groundwater Sampling Point 38 (BH21S)
Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Every 6 Months	10.10
Conductivity	µS/cm	Every 6 Months	1600
Bromide	mg/L	Every 6 Months	1.6
Aluminium	mg/L	Every 6 Months	0.09
Arsenic	mg/L	Every 6 Months	0.003
Cadmium	mg/L	Every 6 Months	<0.0001
Copper	mg/L	Every 6 Months	<0.001
Manganese	mg/L	Every 6 Months	<0.005
Nickel	mg/L	Every 6 Months	0.002
Zinc	mg/L	Every 6 Months	0.003
Iron	mg/L	Every 6 Months	0.09
Total PAH	µg/L	Every 6 Months	320
TPH C6-9 Fraction	µg/L	Every 6 Months	37
TPH C10-14 Fraction	µg/L	Every 6 Months	580
TPH C15-28 Fraction	µg/L	Every 6 Months	300
TPH C29-36 Fraction	µg/L	Every 6 Months	190
Cyanide (free)	mg/L	Every 6 Months	<0.004
Cyanide (total)	mg/L	Every 6 Months	0.23

Groundwater Sampling Point 39 (BH21D)
Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Every 6 Months	7.30
Conductivity	µS/cm	Every 6 Months	8800
Bromide	mg/L	Every 6 Months	9.6
Aluminium	mg/L	Every 6 Months	0.15
Arsenic	mg/L	Every 6 Months	0.004
Cadmium	mg/L	Every 6 Months	<0.0001
Copper	mg/L	Every 6 Months	<0.001
Manganese	mg/L	Every 6 Months	0.007
Nickel	mg/L	Every 6 Months	0.002
Zinc	mg/L	Every 6 Months	0.004
Iron	mg/L	Every 6 Months	0.15
Total PAH	µg/L	Every 6 Months	110
TPH C6-9 Fraction	µg/L	Every 6 Months	27
TPH C10-14 Fraction	µg/L	Every 6 Months	280
TPH C15-28 Fraction	µg/L	Every 6 Months	140
TPH C29-36 Fraction	µg/L	Every 6 Months	<100
Cyanide (free)	mg/L	Every 6 Months	<0.004
Cyanide (total)	mg/L	Every 6 Months	0.012

Sampling Point 20,21,22,23,36,37,40,41 (Regular Monitoring Wells)

Groundwater Sampling Point 20 (K9/3N)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Trigger met (Yes/No)*
pH	pH units	Every 6 Months	7.1	No
Conductivity	µS/cm	Every 6 Months	16000	No
Bromide	mg/L	Every 6 Months	15	No
Aluminium	mg/L	Every 6 Months	0.01	No
Arsenic	mg/L	Every 6 Months	<0.001	No
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	0.96	No
Nickel	mg/L	Every 6 Months	<0.001	No
Zinc	mg/L	Every 6 Months	0.005	No
Iron	mg/L	Every 6 Months	0.07	No
Total PAH	µg/L	Every 6 Months	0.73	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	56	No
TPH C15-28 Fraction	µg/L	Every 6 Months	130	No
TPH C29-36 Fraction	µg/L	Every 6 Months	160	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	0.005	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Groundwater Sampling Point 21 (K9/3S)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*
pH	pH units	Every 6 Months	7.7	No
Conductivity	µS/cm	Every 6 Months	2400	No
Bromide	mg/L	Every 6 Months	9.6	No
Aluminium	mg/L	Every 6 Months	0.11	No
Arsenic	mg/L	Every 6 Months	0.003	Yes
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	0.710	No
Nickel	mg/L	Every 6 Months	<0.001	No
Zinc	mg/L	Every 6 Months	0.01	No
Iron	mg/L	Every 6 Months	0.17	No
Total PAH	µg/L	Every 6 Months	0.49	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	<50	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	210	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	<0.004	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Groundwater Sampling Point 22 (K11/1)

Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*
pH	pH units	Every 6 Months	7.2	No
Conductivity	µS/cm	Every 6 Months	620	No
Bromide	mg/L	Every 6 Months	<0.5	No
Aluminium	mg/L	Every 6 Months	0.02	No
Arsenic	mg/L	Every 6 Months	<0.001	No
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	0.61	No
Nickel	mg/L	Every 6 Months	<0.001	No
Zinc	mg/L	Every 6 Months	0.008	No
Iron	mg/L	Every 6 Months	0.1	No
Total PAH	µg/L	Every 6 Months	<0.1	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	<50	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	<100	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	<0.004	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Groundwater Sampling Point 23 (K11/1S)
Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*
pH	pH units	Every 6 Months	7.8	No
Conductivity	µS/cm	Every 6 Months	6200	No
Bromide	mg/L	Every 6 Months	6.1	No
Aluminium	mg/L	Every 6 Months	<0.01	No
Arsenic	mg/L	Every 6 Months	<0.001	No
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	0.092	Yes
Nickel	mg/L	Every 6 Months	<0.001	No
Zinc	mg/L	Every 6 Months	0.001	No
Iron	mg/L	Every 6 Months	0.09	Yes
Total PAH	µg/L	Every 6 Months	<0.1	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	<50	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	<100	Yes
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	<0.004	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Groundwater Sampling Point 36 (BH20S)

Sample Date: 11 June 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*
pH	pH units	Every 6 Months	6.4	No
Conductivity	µS/cm	Every 6 Months	1300	No
Bromide	mg/L	Every 6 Months	<0.5	No
Aluminium	mg/L	Every 6 Months	<0.01	No
Arsenic	mg/L	Every 6 Months	0.002	No
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	2	No
Nickel	mg/L	Every 6 Months	0.005	No
Zinc	mg/L	Every 6 Months	0.011	No
Iron	mg/L	Every 6 Months	2.1	No
Total PAH	µg/L	Every 6 Months	<0.1	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	69	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	<100	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	<0.004	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Groundwater Sampling Point 37 (BH20D)
Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*

pH	pH units	Every 6 Months	6.1	No
Conductivity	µS/cm	Every 6 Months	46000	Yes
Bromide	mg/L	Every 6 Months	52	No
Aluminium	mg/L	Every 6 Months	<0.01	No
Arsenic	mg/L	Every 6 Months	0.009	Yes
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	12	No
Nickel	mg/L	Every 6 Months	0.026	No
Zinc	mg/L	Every 6 Months	0.005	No
Iron	mg/L	Every 6 Months	49	No
Total PAH	µg/L	Every 6 Months	<0.1	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	<50	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	<100	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	<0.004	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed. These actions include notifying the EPA and resampling the location to confirm the elevated concentration.

Groundwater Sampling Point 40 (BH23S)
Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*
pH	pH units	Every 6 Months	8	No
Conductivity	µS/cm	Every 6 Months	1100	No
Bromide	mg/L	Every 6 Months	0.5	No
Aluminium	mg/L	Every 6 Months	0.02	No
Arsenic	mg/L	Every 6 Months	0.001	No
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	0.710	No
Nickel	mg/L	Every 6 Months	<0.001	No
Zinc	mg/L	Every 6 Months	0.006	No
Iron	mg/L	Every 6 Months	0.35	No
Total PAH	µg/L	Every 6 Months	6.9	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	<50	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	<100	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	0.011	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Groundwater Sampling Point 41 (BH23D)
Sample Date: 11 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value	Exceedance (Yes/No)*
pH	pH units	Every 6 Months	6.9	Yes
Conductivity	µS/cm	Every 6 Months	14000	No
Bromide	mg/L	Every 6 Months	18	No
Aluminium	mg/L	Every 6 Months	<0.01	No
Arsenic	mg/L	Every 6 Months	<0.001	No
Cadmium	mg/L	Every 6 Months	<0.0001	No
Copper	mg/L	Every 6 Months	<0.001	No
Manganese	mg/L	Every 6 Months	0.71	No
Nickel	mg/L	Every 6 Months	<0.001	No
Zinc	mg/L	Every 6 Months	0.005	Yes
Iron	mg/L	Every 6 Months	5	No
Total PAH	µg/L	Every 6 Months	<0.1	No
TPH C6-9 Fraction	µg/L	Every 6 Months	<10	No
TPH C10-14 Fraction	µg/L	Every 6 Months	<50	No
TPH C15-28 Fraction	µg/L	Every 6 Months	<100	No
TPH C29-36 Fraction	µg/L	Every 6 Months	<100	No
Cyanide (free)	mg/L	Every 6 Months	<0.004	No
Cyanide (total)	mg/L	Every 6 Months	0.011	No

Note: If trigger level is met, actions listed in Condition E1.2 of EPL12693 are to be followed.

Sampling Point 24,25,26,27,28,29,30,31,32,33 (Additional Contingency Wells)

Groundwater Sampling Point BHe23S (Note: BHe23S has been used as a substitute to Monitoring Point 24 (K11/3E), which no longer exists due to previous impacts to the bore).
Sample Date: N/A

Note: Sampling Point BHe23S was unable to be sampled in this monitoring round as the well was dry.

Groundwater Sampling Point 25 (BHe23D) (Note: BHe23D has been used as a substitute to Monitoring Point 25 (K11/3W), which no longer exists due to previous impacts to the bore).
Sample Date: 10 June 2026

Note: Sampling Point BHe23D was unable to be sampled in this monitoring round as the well was blocked.

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	
Conductivity	µS/cm	Special Frequency 1	
Bromide	mg/L	Special Frequency 1	
Aluminium	mg/L	Special Frequency 1	
Arsenic	mg/L	Special Frequency 1	
Cadmium	mg/L	Special Frequency 1	
Copper	mg/L	Special Frequency 1	
Manganese	mg/L	Special Frequency 1	
Nickel	mg/L	Special Frequency 1	
Zinc	mg/L	Special Frequency 1	
Iron	mg/L	Special Frequency 1	
Total PAH	µg/L	Special Frequency 1	
TPH C6-9 Fraction	µg/L	Special Frequency 1	
TPH C10-14 Fraction	µg/L	Special Frequency 1	
TPH C15-28 Fraction	µg/L	Special Frequency 1	
TPH C29-36 Fraction	µg/L	Special Frequency 1	
Cyanide (free)	mg/L	Special Frequency 1	
Cyanide (total)	mg/L	Special Frequency 1	

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 26 (K11/2W)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.2
Conductivity	µS/cm	Special Frequency 1	5600
Bromide	mg/L	Special Frequency 1	4.8
Aluminium	mg/L	Special Frequency 1	0.04
Arsenic	mg/L	Special Frequency 1	<0.001
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.048
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	0.004
Iron	mg/L	Special Frequency 1	0.08
Total PAH	µg/L	Special Frequency 1	<10
TPH C6-9 Fraction	µg/L	Special Frequency 1	<50
TPH C10-14 Fraction	µg/L	Special Frequency 1	<100
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<50
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 27 (K11/2E)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.2
Conductivity	µS/cm	Special Frequency 1	980
Bromide	mg/L	Special Frequency 1	<0.5
Aluminium	mg/L	Special Frequency 1	<0.01
Arsenic	mg/L	Special Frequency 1	0.004
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.450
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	0.008
Iron	mg/L	Special Frequency 1	4.9
Total PAH	µg/L	Special Frequency 1	<0.1
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 28 (K9/4W)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.2
Conductivity	µS/cm	Special Frequency 1	6800
Bromide	mg/L	Special Frequency 1	5.1
Aluminium	mg/L	Special Frequency 1	<0.01
Arsenic	mg/L	Special Frequency 1	<0.001
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.170
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	<0.001
Iron	mg/L	Special Frequency 1	2.7
Total PAH	µg/L	Special Frequency 1	<0.1
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 29 (K9/4E)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.2
Conductivity	µS/cm	Special Frequency 1	6800
Bromide	mg/L	Special Frequency 1	13
Aluminium	mg/L	Special Frequency 1	0.04
Arsenic	mg/L	Special Frequency 1	0.001
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	1.60
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	0.007
Iron	mg/L	Special Frequency 1	0.36
Total PAH	µg/L	Special Frequency 1	1.8
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	0.006

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 30 (K9/2W)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.6
Conductivity	µS/cm	Special Frequency 1	1400
Bromide	mg/L	Special Frequency 1	0.7
Aluminium	mg/L	Special Frequency 1	0.06
Arsenic	mg/L	Special Frequency 1	0.016
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.460
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	0.012
Iron	mg/L	Special Frequency 1	0.02
Total PAH	µg/L	Special Frequency 1	0.23
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 31 (K9/2E)
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.1
Conductivity	µS/cm	Special Frequency 1	25000
Bromide	mg/L	Special Frequency 1	26
Aluminium	mg/L	Special Frequency 1	<0.01
Arsenic	mg/L	Special Frequency 1	<0.001
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.510
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	<0.001
Iron	mg/L	Special Frequency 1	0.43
Total PAH	µg/L	Special Frequency 1	<0.1
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

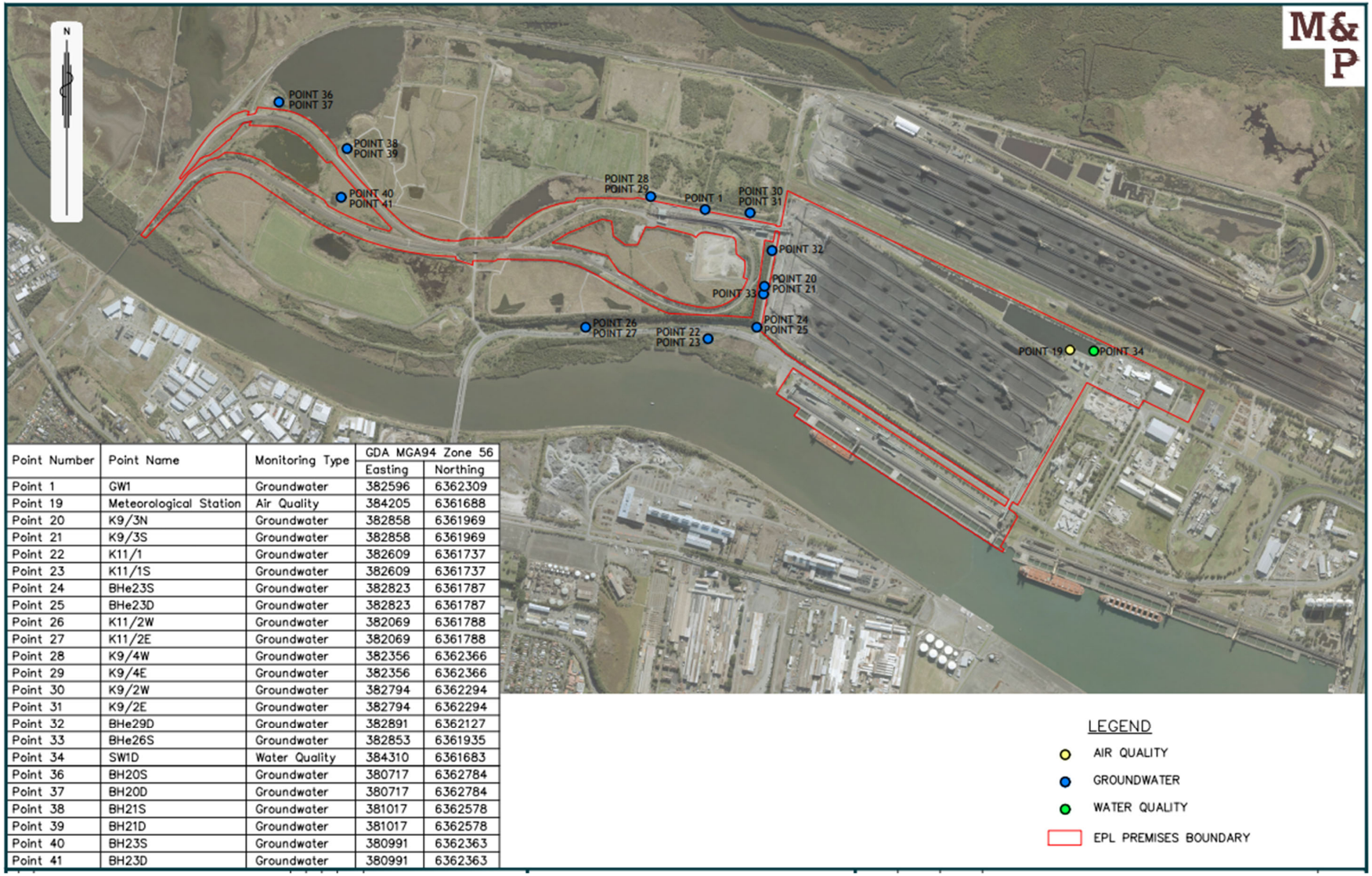
Groundwater Sampling Point 32 (BHe29D) (Note: BHe29D has been used as a substitute to Monitoring Point 32 (K10/4W), which no longer exists due to previous impacts to the bore).
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.4
Conductivity	µS/cm	Special Frequency 1	6600
Bromide	mg/L	Special Frequency 1	7
Aluminium	mg/L	Special Frequency 1	0.05
Arsenic	mg/L	Special Frequency 1	<0.001
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.11
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	0.003
Iron	mg/L	Special Frequency 1	0.16
Total PAH	µg/L	Special Frequency 1	<0.1
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004

Note: For the purposes of the table(s) above Special Frequency 1 means the collection of samples on a six monthly basis if trigger conditions specified in condition E1.1 of EPL12693 are met.

Groundwater Sampling Point 33 (BHe26S) (Note: BHe26S has been used as a substitute to Monitoring Point 33 (DM10), which no longer exists due to previous impacts to the bore).
Sample Date: 10 Jun 2026

Pollutant	Units of Measure	Frequency	Recorded Value
pH	pH units	Special Frequency 1	7.9
Conductivity	µS/cm	Special Frequency 1	1400
Bromide	mg/L	Special Frequency 1	0.9
Aluminium	mg/L	Special Frequency 1	0.02
Arsenic	mg/L	Special Frequency 1	0.005
Cadmium	mg/L	Special Frequency 1	<0.0001
Copper	mg/L	Special Frequency 1	<0.001
Manganese	mg/L	Special Frequency 1	0.13
Nickel	mg/L	Special Frequency 1	<0.001
Zinc	mg/L	Special Frequency 1	0.008
Iron	mg/L	Special Frequency 1	0.03
Total PAH	µg/L	Special Frequency 1	<0.1
TPH C6-9 Fraction	µg/L	Special Frequency 1	<10
TPH C10-14 Fraction	µg/L	Special Frequency 1	<50
TPH C15-28 Fraction	µg/L	Special Frequency 1	<100
TPH C29-36 Fraction	µg/L	Special Frequency 1	<100
Cyanide (free)	mg/L	Special Frequency 1	<0.004
Cyanide (total)	mg/L	Special Frequency 1	<0.004



Point Number	Point Name	Monitoring Type	GDA MGA94 Zone 56	
			Easting	Northing
Point 1	GW1	Groundwater	382596	6362309
Point 19	Meteorological Station	Air Quality	384205	6361688
Point 20	K9/3N	Groundwater	382858	6361969
Point 21	K9/3S	Groundwater	382858	6361969
Point 22	K11/1	Groundwater	382609	6361737
Point 23	K11/1S	Groundwater	382609	6361737
Point 24	BHe23S	Groundwater	382823	6361787
Point 25	BHe23D	Groundwater	382823	6361787
Point 26	K11/2W	Groundwater	382069	6361788
Point 27	K11/2E	Groundwater	382069	6361788
Point 28	K9/4W	Groundwater	382356	6362366
Point 29	K9/4E	Groundwater	382356	6362366
Point 30	K9/2W	Groundwater	382794	6362294
Point 31	K9/2E	Groundwater	382794	6362294
Point 32	BHe29D	Groundwater	382891	6362127
Point 33	BHe26S	Groundwater	382853	6361935
Point 34	SW1D	Water Quality	384310	6361683
Point 36	BH20S	Groundwater	380717	6362784
Point 37	BH20D	Groundwater	380717	6362784
Point 38	BH21S	Groundwater	381017	6362578
Point 39	BH21D	Groundwater	381017	6362578
Point 40	BH23S	Groundwater	380991	6362363
Point 41	BH23D	Groundwater	380991	6362363

Figure 1: Groundwater, Surface Water and Additional Ambient Air Quality Monitoring Locations.