



**July 2024 - Groundwater, Surface Water, Surface Gas, Sub-Surface Gas, and Gas Accumulation Monitoring Results**

Field							Inorganics					
Methane	Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	BOD	Chloride	Sodium (filtered)	TOC
%v/v	ppm	m	mg/L	µS/cm	-	oC	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL							0.01	1	2	1	1	1

Site ID	EPL No.	Location Code	Sampled Date	Methane	Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	BOD	Chloride	Sodium (filtered)	TOC
Kincumber	1	K_SW01	10 Jul 2024	-	-	-	0.13	802	5.97	13.9	0.02	-	7	-	-	21
Kincumber	2	K_SW02	10 Jul 2024	-	-	-	5.77	145.3	6.81	13.8	0.01	-	5	-	-	19
Kincumber	3	K_ST02	10 Jul 2024	-	-	-	5.87	197.8	7.18	14.6	0.06	-	12	-	-	8
Kincumber	4	K_ST01	10 Jul 2024	-	-	-	7.65	222.2	7.95	17.1	1.54	-	10	-	-	10
Kincumber	5	K_MW4	10 Jul 2024	-	-	2.78	2.91	1,727	4.46	19.9	0.04	2	-	697	335	15
Kincumber	6	K_MW5	10 Jul 2024	-	-	2.17	1.15	646	6.24	18.1	1.08	54	-	448	228	2
Kincumber	7	K_MW6	10 Jul 2024	-	-	8.34	1.24	541	4.88	17.6	0.45	12	-	161	122	5
Kincumber	8	K_MW7	10 Jul 2024	-	-	3.88	1.75	1,308	3.82	18.5	0.39	<1	-	524	235	3
Kincumber	14	Traverse 1	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	15	Traverse 2	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	16	Traverse 3	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	17	Traverse 4	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	18	Traverse 5	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	19	Traverse 6	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	20	Traverse 7	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	21	Traverse 8	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	22	Traverse 9	10 Jul 2024	-	90*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	23	Traverse 10	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	25	Weighbridge & Office	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	26	Toilet	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	27	Office	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	28	Maintenance Shed	10 Jul 2024	-	<5*	-	-	-	-	-	-	-	-	-	-	-
Kincumber	30	K_GMW1S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	31	K_GMW1D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	32	K_GMW2S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	33	K_GMW2D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	34	K_GMW3S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	35	K_GMW3D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	36	K_GMW4S	10 Jul 2024	1.6	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	37	K_GMW4D	10 Jul 2024	0.7	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	38	K_GMW5S	10 Jul 2024	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	39	K_GMW5D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	40	K_GMW6S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	41	K_GMW7S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	42	K_GMW7D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-



**July 2024 - Groundwater, Surface Water, Surface Gas, Sub-Surface Gas, and  
Gas Accumulation Monitoring Results**

	Metals			Physical		NA
	Calcium (filtered)	Magnesium (filtered)	Potassium (filtered)	Total Dissolved Solids @180°C	TSS	Sulfate as SO4 - Turbidimetric (filtered)
	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL	1	1	1	10	5	1

Site ID	EPL No.	Location Code	Sampled Date	Calcium (filtered)	Magnesium (filtered)	Potassium (filtered)	Total Dissolved Solids @180°C	TSS	Sulfate as SO4 - Turbidimetric (filtered)
Kincumber	1	K_SW01	10 Jul 2024	-	-	-	-	<5	-
Kincumber	2	K_SW02	10 Jul 2024	-	-	-	-	34	-
Kincumber	3	K_ST02	10 Jul 2024	-	-	-	-	68	-
Kincumber	4	K_ST01	10 Jul 2024	-	-	-	-	48	-
Kincumber	5	K_MW4	10 Jul 2024	22	47	4	1,250	-	62
Kincumber	6	K_MW5	10 Jul 2024	16	38	7	910	-	31
Kincumber	7	K_MW6	10 Jul 2024	1	7	1	430	-	64
Kincumber	8	K_MW7	10 Jul 2024	<1	21	1	943	-	80
Kincumber	14	Traverse 1	10 Jul 2024	-	-	-	-	-	-
Kincumber	15	Traverse 2	10 Jul 2024	-	-	-	-	-	-
Kincumber	16	Traverse 3	10 Jul 2024	-	-	-	-	-	-
Kincumber	17	Traverse 4	10 Jul 2024	-	-	-	-	-	-
Kincumber	18	Traverse 5	10 Jul 2024	-	-	-	-	-	-
Kincumber	19	Traverse 6	10 Jul 2024	-	-	-	-	-	-
Kincumber	20	Traverse 7	10 Jul 2024	-	-	-	-	-	-
Kincumber	21	Traverse 8	10 Jul 2024	-	-	-	-	-	-
Kincumber	22	Traverse 9	10 Jul 2024	-	-	-	-	-	-
Kincumber	23	Traverse 10	10 Jul 2024	-	-	-	-	-	-
Kincumber	25	Weighbridge & Office	10 Jul 2024	-	-	-	-	-	-
Kincumber	26	Toilet	10 Jul 2024	-	-	-	-	-	-
Kincumber	27	Office	10 Jul 2024	-	-	-	-	-	-
Kincumber	28	Maintenance Shed	10 Jul 2024	-	-	-	-	-	-
Kincumber	30	K_GMW1S	10 Jul 2024	-	-	-	-	-	-
Kincumber	31	K_GMW1D	10 Jul 2024	-	-	-	-	-	-
Kincumber	32	K_GMW2S	10 Jul 2024	-	-	-	-	-	-
Kincumber	33	K_GMW2D	10 Jul 2024	-	-	-	-	-	-
Kincumber	34	K_GMW3S	10 Jul 2024	-	-	-	-	-	-
Kincumber	35	K_GMW3D	10 Jul 2024	-	-	-	-	-	-
Kincumber	36	K_GMW4S	10 Jul 2024	-	-	-	-	-	-
Kincumber	37	K_GMW4D	10 Jul 2024	-	-	-	-	-	-
Kincumber	38	K_GMW5S	10 Jul 2024	-	-	-	-	-	-
Kincumber	39	K_GMW5D	10 Jul 2024	-	-	-	-	-	-
Kincumber	40	K_GMW6S	10 Jul 2024	-	-	-	-	-	-
Kincumber	41	K_GMW7S	10 Jul 2024	-	-	-	-	-	-
Kincumber	42	K_GMW7D	10 Jul 2024	-	-	-	-	-	-



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Field							Inorganics					
Methane	Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	BOD	Chloride	Sodium (filtered)	TOC
%v/v	ppm	m	mg/L	µS/cm	-	oC	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
EQL							0.01	1	2	1	1	1

Site ID	EPL No.	Location Code	Sampled Date	Methane	Methane	Depth to groundwater (measured)	DO (Field)	Electrical Conductivity (Non Compensated)	pH (Field)	Temp (Field)	Ammonia as N	Alkalinity (total) as CaCO3	BOD	Chloride	Sodium (filtered)	TOC
Kincumber	43	K_GMW8S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	44	K_GMW8D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	45	K_GMW9S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	46	K_GMW9D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	47	K_GMW10D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	48	K_GMW11S	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	49	K_GMW11D	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	50	K_MW4	10 Jul 2024	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	51	K_MW5	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	52	K_MW6	10 Jul 2024	0.1	-	-	-	-	-	-	-	-	-	-	-	-
Kincumber	53	K_MW7	10 Jul 2024	0	-	-	-	-	-	-	-	-	-	-	-	-

Notes: \* denotes maximum concentration reported at each location

A copy of the Environment Protection Licence (EPL) can be viewed at: [6052.pdf \(nsw.gov.au\)](https://www.nsw.gov.au/6052.pdf)  
 Condition M2.2 - Air Monitoring Requirements - Quarterly Surface Gas, Quarterly Sub-Surface Gas, and Quarterly Gas Accumulation.  
 Condition M2.3 - Water and/ or Land Monitoring Requirements - Quarterly/ Yearly Groundwater and Quarterly Surface Water  
 Date pollution monitoring data was obtained by licensee: 07/08/2024