

A. Statement of Compliance - Licence Details

ALL Licence holders must check that the Licence details in Section A are correct.

If there are changes to any of these details, **you must advise Environment Protection Authority (EPA) and apply as soon as possible for a variation to your Licence or for a Licence transfer.**

Licence variation and transfer application forms are available on the EPA website at: <http://www.epa.nsw.gov.au/licensing-and-regulation/licensing> or from regional offices of the EPA, or by contacting by telephone 02 9995 5700.

If you are applying to vary or transfer your Licence, you must still complete and submit this Annual Return.

A1. Licence holder

Licence number : 4501
 Licence holder : TRITTON RESOURCES PTY LTD
 Trading name (if applicable) :
 ABN : 88 100 095 494
 ACN : 100 095 494
 Reporting period : From: 31-7-2020 To: 30-7-2021

A2. Premises to which Licence Applies (if applicable)

Common name (if any) : TRITTON COPPER MINE
 Premises : BOORAMUGGA ROAD GIRILAMBONE 2831 NSW

A3. Activities to which Licence Applies

Mining for minerals

A4. Other Activities (if applicable)

Chemical Storage Facilities
 Mineral Processing or Metallurgical Works
 Electricity Generating Works
 Sewage Treatment Systems
 Petroleum Works

A5. Fee-Based Activity Classifications

Note that the fee based activity classification is used to calculate the administrative fee.

Fee-based activity	Activity scale	Unit of measure
Mining for minerals	> 100,000.00 - 500,000.00	T annual production capacity

A6. Assessable Pollutants (if applicable)

Note that the identification of assessable pollutants is used to calculate the **load-based fee**.
The following assessable pollutants are identified for the fee-based activity classifications in the licence:

B. Monitoring and Complaints Summary

B1. Number of Pollution Complaints

Pollution Complaint Category	Complaints
Air	0
Water	0
Noise	0
Waste	0
Other	0
Total complaints recorded by the licensee during the reporting period	0

B2. Concentration Monitoring Summary

For each concentration monitoring point identified in your licence, details are displayed below. If concentration monitoring is not required by your licence, **no data** will appear below.

If data was provided from an uploaded file, the file name will be displayed below instead of any data.

Note that this does not exclude the need to conduct appropriate concentration monitoring of assessable pollutants as required by load-based licensing (if applicable).

Monitoring Point 2

Groundwater monitoring point, Piezometer labelled as "GIP224" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.006	0.01
Barium	milligrams per litre	12	12	0.012	0.042	0.087
Beryllium	milligrams per litre	12	12	0.001	0.006	0.01

Cadmium	milligrams per litre	12	12	0.0001	0.001	0.0012
Chloride	milligrams per litre	12	12	1020	6652.5	9410
Chromium	milligrams per litre	12	12	0.004	0.026	0.062
Cobalt	milligrams per litre	12	12	0.001	0.008	0.014
Conductivity	microsiemens per centimetre	12	12	446	21660.5	31700
Copper	milligrams per litre	12	12	0.024	0.036	0.05
Iron	milligrams per litre	12	12	0.1	0.213	0.59
Lead	milligrams per litre	12	12	0.002	0.006	0.01
Manganese	milligrams per litre	12	12	0.026	0.163	0.258
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.004	0.078	0.198
pH	pH	12	12	6.59	7.58	7.9
Standing Water Level	metres	12	12	8.34	9.19	10.38
Sulfate	milligrams per litre	12	12	41	2643.2	4230
Vanadium	milligrams per litre	12	12	0.01	0.055	0.1
Zinc	milligrams per litre	12	12	0.024	0.07	0.099

Monitoring Point 3

Groundwater monitoring point, Piezometer labelled as "GIP225" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.01	0.01	0.01
Barium	milligrams per litre	12	12	0.01	0.01	0.01
Beryllium	milligrams per litre	12	12	0.01	0.01	0.01
Cadmium	milligrams per litre	12	12	0.001	0.0011	0.002

Chloride	milligrams per litre	12	12	5800	6523.3	7140
Chromium	milligrams per litre	12	12	0.01	0.01	0.01
Cobalt	milligrams per litre	12	12	0.01	0.0105	0.016
Conductivity	microsiemens per centimetre	12	12	27600	31983	33700
Copper	milligrams per litre	12	12	0.013	0.039	0.157
Iron	milligrams per litre	12	12	0.1	0.183	0.52
Lead	milligrams per litre	12	12	0.01	0.01	0.01
Manganese	milligrams per litre	12	12	0.193	0.239	0.273
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.01	0.01	0.01
pH	pH	12	12	6.68	7.1	9.38
Standing Water Level	metres	12	12	12.22	13.665	17.52
Sulfate	milligrams per litre	12	12	8410	10592	12100
Vanadium	milligrams per litre	12	12	0.1	0.1	0.1
Zinc	milligrams per litre	12	12	0.05	0.06	0.113

Monitoring Point 4

Groundwater monitoring point, Piezometer labelled as "GIP234" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.01
Barium	milligrams per litre	4	4	0.009	0.0135	0.017
Beryllium	milligrams per litre	4	4	0.001	0.001	0.01
Cadmium	milligrams per litre	4	4	0.0002	0.001	0.0024
Chloride	milligrams per litre	4	4	7630	7932.5	8230

Chromium	milligrams per litre	4	4	0.001	0.001	0.01
Cobalt	milligrams per litre	4	4	0.0012	0.017	0.027
Conductivity	microsiemens per centimetre	4	4	26000	26500	27000
Copper	milligrams per litre	4	4	0.009	0.039	0.108
Iron	milligrams per litre	4	4	0.28	0.46	0.6
Lead	milligrams per litre	4	4	0.014	0.0303	0.056
Manganese	milligrams per litre	4	4	0.035	0.13	0.245
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.016	0.0188	0.022
pH	pH	4	4	6.98	7.07	7.14
Standing Water Level	metres	12	12	24.66	24.83	25.07
Sulfate	milligrams per litre	4	4	2310	2355	2400
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.038	0.155	0.29

Monitoring Point 5

Groundwater monitoring point, Piezometer labelled as "GIP273" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.01
Barium	milligrams per litre	4	4	0.016	0.019	0.023
Beryllium	milligrams per litre	4	4	0.001	0.001	0.01
Cadmium	milligrams per litre	4	4	0.0009	0.0012	0.0013
Chloride	milligrams per litre	4	4	9850	10538	11300
Chromium	milligrams per litre	4	4	0.003	0.0083	0.01



Annual Return

TRITTON RESOURCES PTY LTD

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Cobalt	milligrams per litre	4	4	0.006	0.0105	0.015
Conductivity	microsiemens per centimetre	4	4	33200	33550	34100
Copper	milligrams per litre	4	4	0.052	0.069	0.093
Iron	milligrams per litre	4	4	0.05	0.373	0.78
Lead	milligrams per litre	4	4	0.011	0.06	0.094
Manganese	milligrams per litre	4	4	0.057	0.105	0.207
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.004	0.0093	0.013
pH	pH	4	4	6.78	6.89	7.09
Standing Water Level	metres	12	12	17.41	17.49	17.65
Sulfate	milligrams per litre	4	4	2930	3130	3340
Vanadium	milligrams per litre	4	4	0.01	0.01	0.1
Zinc	milligrams per litre	4	4	0.112	0.169	0.217

Monitoring Point 6

Groundwater monitoring point, Piezometer labelled as "GIP276" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.01
Barium	milligrams per litre	4	4	0.02	0.02	0.021
Beryllium	milligrams per litre	4	4	0.001	0.001	0.01
Cadmium	milligrams per litre	4	4	0.0018	0.0019	0.0022
Chloride	milligrams per litre	4	4	7730	8410	8980
Chromium	milligrams per litre	4	4	0.001	0.001	0.01
Cobalt	milligrams per litre	4	4	0.004	0.008	0.01

Conductivity	microsiemens per centimetre	4	4	26700	27375	28500
Copper	milligrams per litre	4	4	0.092	0.108	0.145
Iron	milligrams per litre	4	4	0.05	0.32	0.5
Lead	milligrams per litre	4	4	0.008	0.043	0.056
Manganese	milligrams per litre	4	4	0.057	0.121	0.175
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.012	0.013	0.015
pH	pH	4	4	7.01	7.1	7.32
Standing Water Level	metres	12	12	42.72	42.94	43.38
Sulfate	milligrams per litre	4	4	2390	2607.5	2820
Vanadium	milligrams per litre	4	4	0.01	0.001	0.1
Zinc	milligrams per litre	4	4	0.172	0.199	0.213

Monitoring Point 7

Groundwater monitoring point, Piezometer labelled as "GIP274" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.01	0.01
Barium	milligrams per litre	12	12	0.01	0.01	0.012
Beryllium	milligrams per litre	12	12	0.001	0.01	0.01
Cadmium	milligrams per litre	12	12	0.0001	0.001	0.0016
Chloride	milligrams per litre	12	12	8370	9658.3	10700
Chromium	milligrams per litre	12	12	0.001	0.01	0.01
Cobalt	milligrams per litre	12	12	0.001	0.01	0.01
Conductivity	microsiemens per centimetre	12	12	28700	31833.3	33300

Copper	milligrams per litre	12	12	0.007	0.015	0.054
Iron	milligrams per litre	12	12	0.1	0.116	0.2
Lead	milligrams per litre	12	12	0.003	0.01	0.01
Manganese	milligrams per litre	12	12	0.01	0.018	0.039
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.002	0.011	0.034
pH	pH	12	12	7.15	7.5	7.68
Standing Water Level	metres	12	12	21.36	21.47	21.69
Sulfate	milligrams per litre	12	12	2490	2950	3160
Vanadium	milligrams per litre	12	12	0.01	0.1	0.1
Zinc	milligrams per litre	12	12	0.012	0.08	0.393

Monitoring Point 8

Groundwater monitoring point, Piezometer labelled as "GIP277" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.001
Barium	milligrams per litre	4	4	0.046	0.05	0.054
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0001	0.0002	0.0002
Chloride	milligrams per litre	4	4	23	407.5	807
Chromium	milligrams per litre	4	4	0.001	0.001	0.002
Cobalt	milligrams per litre	4	4	0.001	0.003	0.005
Conductivity	microsiemens per centimetre	4	4	275	2024.3	3810
Copper	milligrams per litre	4	4	0.004	0.008	0.014

Iron	milligrams per litre	4	4	0.68	1.67	2.3
Lead	milligrams per litre	4	4	0.011	0.018	0.024
Manganese	milligrams per litre	4	4	0.179	0.213	0.235
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.002	0.0025	0.003
pH	pH	4	4	6.73	7.33	7.78
Standing Water Level	metres	12	12	17.55	18.24	18.85
Sulfate	milligrams per litre	4	4	1	154.25	311
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.042	0.096	0.139

Monitoring Point 9

Groundwater monitoring point, Piezometer labelled as "GIP278" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.005	0.00575	0.006
Barium	milligrams per litre	4	4	0.016	0.016	0.017
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0003	0.0004	0.0005
Chloride	milligrams per litre	4	4	7770	8247.5	8700
Chromium	milligrams per litre	4	4	0.004	0.0055	0.006
Cobalt	milligrams per litre	4	4	0.001	0.0015	0.003
Conductivity	microsiemens per centimetre	4	4	26600	26825	27200
Copper	milligrams per litre	4	4	0.006	0.011	0.025
Iron	milligrams per litre	4	4	0.05	0.085	0.13

Lead	milligrams per litre	4	4	0.002	0.0023	0.003
Manganese	milligrams per litre	4	4	0.003	0.012	0.034
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.014	0.016	0.018
pH	pH	4	4	7.26	7.43	7.61
Standing Water Level	metres	12	12	25.77	25.91	26.11
Sulfate	milligrams per litre	4	4	2380	2487.5	2600
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.018	0.032	0.069

Monitoring Point 10

Groundwater monitoring point, Piezometer labelled as "GIP279" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.001
Barium	milligrams per litre	4	4	0.027	0.028	0.029
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0003	0.0004	0.0006
Chloride	milligrams per litre	4	4	8600	8885	9300
Chromium	milligrams per litre	4	4	0.001	0.001	0.001
Cobalt	milligrams per litre	4	4	0.001	0.0018	0.004
Conductivity	microsiemens per centimetre	4	4	27400	27675	28100
Copper	milligrams per litre	4	4	0.022	0.03	0.045
Iron	milligrams per litre	4	4	0.05	0.1	0.13
Lead	milligrams per litre	4	4	0.001	0.001	0.001

Manganese	milligrams per litre	4	4	0.007	0.022	0.054
Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.003	0.003	0.004
pH	pH	4	4	7.3	7.46	7.67
Standing Water Level	metres	12	12	24.98	25.048	25.14
Sulfate	milligrams per litre	4	4	2410	2565	2780
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.037	0.05725	0.104

Monitoring Point 11

Groundwater monitoring point, Piezometer labelled as "GIP280" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	4	4	0.001	0.001	0.001
Barium	milligrams per litre	4	4	0.031	0.034	0.036
Beryllium	milligrams per litre	4	4	0.001	0.001	0.001
Cadmium	milligrams per litre	4	4	0.0002	0.0004	0.0006
Chloride	milligrams per litre	4	4	5320	5492.5	5600
Chromium	milligrams per litre	4	4	0.001	0.001	0.001
Cobalt	milligrams per litre	4	4	0.001	0.004	0.007
Conductivity	microsiemens per centimetre	4	4	18200	19000	19600
Copper	milligrams per litre	4	4	0.022	0.034	0.049
Iron	milligrams per litre	4	4	0.07	0.35	0.69
Lead	milligrams per litre	4	4	0.001	0.0013	0.002
Manganese	milligrams per litre	4	4	0.063	0.088	0.136

Mercury	milligrams per litre	4	4	0.0001	0.0001	0.0001
Nickel	milligrams per litre	4	4	0.004	0.005	0.006
pH	pH	4	4	7.72	7.83	7.94
Standing Water Level	metres	12	12	22.55	22.87	23.11
Sulfate	milligrams per litre	4	4	1620	1695	1750
Vanadium	milligrams per litre	4	4	0.01	0.01	0.01
Zinc	milligrams per litre	4	4	0.117	0.1313	0.165

Monitoring Point 12

Groundwater monitoring point, Piezometer labelled as "GIP290" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.001	0.001
Barium	milligrams per litre	12	12	0.012	0.0135	0.018
Beryllium	milligrams per litre	12	12	0.001	0.001	0.001
Cadmium	milligrams per litre	12	12	0.0158	0.029	0.0355
Chloride	milligrams per litre	12	12	3270	3606.7	3860
Chromium	milligrams per litre	12	12	0.001	0.001	0.001
Cobalt	milligrams per litre	12	12	0.144	0.165	0.183
Conductivity	microsiemens per centimetre	12	12	13800	16333	17400
Copper	milligrams per litre	12	12	0.036	0.063	0.154
Iron	milligrams per litre	12	12	0.05	0.065	0.13
Lead	milligrams per litre	12	12	0.001	0.0018	0.004
Manganese	milligrams per litre	12	12	6.96	8.315	8.99
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001

Nickel	milligrams per litre	12	12	0.013	0.015	0.018
pH	pH	12	12	6.88	7.2	7.53
Standing Water Level	metres	12	12	15.48	16.36	17.15
Sulfate	milligrams per litre	12	12	2960	3692.5	4100
Vanadium	milligrams per litre	12	12	0.01	0.01	0.01
Zinc	milligrams per litre	12	12	0.217	0.346	0.384

Monitoring Point 13

Groundwater monitoring point, Piezometer labelled as "GIP291" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.001	0.01
Barium	milligrams per litre	12	12	0.022	0.026	0.03
Beryllium	milligrams per litre	12	12	0.001	0.001	0.01
Cadmium	milligrams per litre	12	12	0.0002	0.0022	0.0042
Chloride	milligrams per litre	12	12	6970	7780.8	8410
Chromium	milligrams per litre	12	12	0.001	0.001	0.01
Cobalt	milligrams per litre	12	12	0.017	0.032	0.085
Conductivity	microsiemens per centimetre	12	12	22600	26200	28100
Copper	milligrams per litre	12	12	0.008	0.047	0.24
Iron	milligrams per litre	12	12	0.05	0.44	1.17
Lead	milligrams per litre	12	12	0.001	0.0032	0.01
Manganese	milligrams per litre	12	12	0.286	0.0606	1.36
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.01	0.015	0.03

pH	pH	12	12	7.24	7.48	7.76
Standing Water Level	metres	12	12	11.69	12.84	14.04
Sulfate	milligrams per litre	12	12	2220	2590	2870
Vanadium	milligrams per litre	12	12	0.01	0.01	0.1
Zinc	milligrams per litre	12	12	0.025	0.1343	0.358

Monitoring Point 14

Groundwater monitoring point, Piezometer labelled as "GIP292A" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.05	0.057	0.067
Barium	milligrams per litre	12	12	0.01	0.01	0.01
Beryllium	milligrams per litre	12	12	0.101	0.12	0.135
Cadmium	milligrams per litre	12	12	3.54	3.91	4.19
Chloride	milligrams per litre	12	12	1690	2026.7	2410
Chromium	milligrams per litre	12	12	0.221	0.237	0.267
Cobalt	milligrams per litre	12	12	52.9	59.34	80.9
Conductivity	microsiemens per centimetre	12	12	27000	32000	34800
Copper	milligrams per litre	12	12	243	264.25	373
Iron	milligrams per litre	12	12	126	140.5	162
Lead	milligrams per litre	12	12	0.01	0.01	0.01
Manganese	milligrams per litre	12	12	464	533.25	680
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	12	20.32	28.4
pH	pH	12	12	3.49	3.62	3.74

Standing Water Level	metres	12	12	8.79	11.09	12.29
Sulfate	milligrams per litre	12	12	30700	38350	46100
Vanadium	milligrams per litre	12	12	0.14	0.178	0.2
Zinc	milligrams per litre	12	12	252	281.17	384

Monitoring Point 16

Groundwater monitoring point, Piezometer labelled as "GIP292A-S" in Figure 2.1 of Girilambone Pregnant Liquor Pond and Sediment Dam 1 Hydrogeological Investigation (NSR08/1071)

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	0	dry	dry	dry
Barium	milligrams per litre	12	0	dry	dry	dry
Beryllium	milligrams per litre	12	0	dry	dry	dry
Cadmium	milligrams per litre	12	0	dry	dry	dry
Chloride	milligrams per litre	12	0	dry	dry	dry
Chromium	milligrams per litre	12	0	dry	dry	dry
Cobalt	milligrams per litre	12	0	dry	dry	dry
Conductivity	microsiemens per centimetre	12	0	dry	dry	dry
Copper	milligrams per litre	12	0	dry	dry	dry
Iron	milligrams per litre	12	0	dry	dry	dry
Lead	milligrams per litre	12	0	dry	dry	dry
Manganese	milligrams per litre	12	0	dry	dry	dry
Mercury	milligrams per litre	12	0	dry	dry	dry
Nickel	milligrams per litre	12	0	dry	dry	dry
pH	pH	12	0	dry	dry	dry
Standing Water Level	metres	12	0	dry	dry	dry

Sulfate	milligrams per litre	12	0	dry	dry	dry
Vanadium	milligrams per litre	12	0	dry	dry	dry
Zinc	milligrams per litre	21	0	dry	dry	dry

Monitoring Point 17

Groundwater monitoring point, Piezometer labelled as "GIP293" in Figure 3.28 of Straits Tritton Copper Annual Environmental Management Review February 2009 report (DOC09/9222).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.015	0.0356	0.1
Barium	milligrams per litre	12	12	0.01	0.0182	0.1
Beryllium	milligrams per litre	12	12	0.01	0.0239	0.1
Cadmium	milligrams per litre	12	12	1.57	2.205	3.01
Chloride	milligrams per litre	12	12	3750	4675	5460
Chromium	milligrams per litre	12	12	0.01	0.024	0.1
Cobalt	milligrams per litre	12	12	21.2	27.8	40.9
Conductivity	microsiemens per centimetre	12	12	27500	39533	43100
Copper	milligrams per litre	12	12	32.6	49.575	87
Iron	milligrams per litre	12	12	0.22	0.4817	1
Lead	milligrams per litre	12	12	0.01	0.0175	0.1
Manganese	milligrams per litre	12	12	380	441.75	580
Mercury	milligrams per litre	12	12	0.0002	0.0003	0.0005
Nickel	milligrams per litre	12	12	7.26	9.962	14.6
pH	pH	12	12	3.9	4.16	4.38
Standing Water Level	metres	12	12	15.69	17.21	17.84
Sulfate	milligrams per litre	12	12	23800	32700	43400

Vanadium	milligrams per litre	12	12	0.1	0.175	1
Zinc	milligrams per litre	12	12	79.7	107.4	156

Monitoring Point 18

Groundwater monitoring point, Piezometer labelled as "GIP294" in Figure 3.28 of Straits Tritton Copper Annual Environmental Management Review February 2009 report (DOC09/9222).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.01	0.0129	0.045
Barium	milligrams per litre	12	12	0.01	0.026	0.048
Beryllium	milligrams per litre	12	12	0.01	0.01	0.01
Cadmium	milligrams per litre	12	12	0.359	0.934	2.28
Chloride	milligrams per litre	12	12	1880	2327.5	2560
Chromium	milligrams per litre	12	12	0.01	0.01	0.01
Cobalt	milligrams per litre	12	12	4.32	10.989	27.6
Conductivity	microsiemens per centimetre	12	12	28900	34142	44500
Copper	milligrams per litre	12	12	8.98	31.149	108
Iron	milligrams per litre	12	12	0.1	0.12	0.18
Lead	milligrams per litre	12	12	0.01	0.01	0.01
Manganese	milligrams per litre	12	12	26	82.517	273
Mercury	milligrams per litre	12	12	0.0001	0.0002	0.0004
Nickel	milligrams per litre	12	12	0.928	3.752	9.72
pH	pH	12	12	5.35	6.53	6.95
Standing Water Level	metres	12	12	13.96	17.17	19.29
Sulfate	milligrams per litre	12	12	17400	23758	42700
Vanadium	milligrams per litre	12	12	0.1	0.1	0.1

Zinc	milligrams per litre	12	12	19.4	57.1	144
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Monitoring Point 19

Groundwater monitoring point, Piezometer labelled as "GIP295" in Figure 3.28 of Straits Tritton Copper Annual Environmental Management Review February 2009 report (DOC09/9222).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.0078	0.01
Barium	milligrams per litre	12	12	0.034	0.043	0.046
Beryllium	milligrams per litre	12	12	0.001	0.0078	0.01
Cadmium	milligrams per litre	12	12	0.001	0.0011	0.0033
Chloride	milligrams per litre	12	12	7860	8862.5	10000
Chromium	milligrams per litre	12	12	0.001	0.0078	0.01
Cobalt	milligrams per litre	12	12	0.003	0.0115	0.047
Conductivity	microsiemens per centimetre	12	12	25600	29533	31300
Copper	milligrams per litre	12	12	0.006	0.0198	0.115
Iron	milligrams per litre	12	12	0.05	0.0958	0.19
Lead	milligrams per litre	12	12	0.001	0.0078	0.01
Manganese	milligrams per litre	12	12	0.412	0.522	0.905
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.004	0.0095	0.019
pH	pH	12	12	7.19	7.49	7.82
Standing Water Level	metres	12	12	18.92	19.07	19.26
Sulfate	milligrams per litre	12	12	2520	2652.5	2820
Vanadium	milligrams per litre	12	12	0.01	0.0775	0.1
Zinc	milligrams per litre	12	12	0.011	0.0689	0.279

Monitoring Point 20

Groundwater monitoring point, Piezometer labelled as "GIP296" in Figure 3.28 of Straits Tritton Copper Annual Environmental Management Review February 2009 report (DOC09/9222).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.0012	0.003
Barium	milligrams per litre	12	12	0.014	0.0158	0.018
Beryllium	milligrams per litre	12	12	0.001	0.001	0.001
Cadmium	milligrams per litre	12	12	0.0008	0.0027	0.0045
Chloride	milligrams per litre	12	12	1460	1699.2	2390
Chromium	milligrams per litre	12	12	0.001	0.001	0.001
Cobalt	milligrams per litre	12	12	0.011	0.0353	0.054
Conductivity	microsiemens per centimetre	12	12	12900	14950	16700
Copper	milligrams per litre	12	12	0.028	0.1227	0.18
Iron	milligrams per litre	12	12	0.05	0.0542	0.08
Lead	milligrams per litre	12	12	0.001	0.001	0.001
Manganese	milligrams per litre	12	12	0.132	0.492	0.77
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.008	0.018	0.027
pH	pH	12	12	7.52	7.71	7.88
Standing Water Level	metres	12	12	7.64	10.17	12.08
Sulfate	milligrams per litre	12	12	4540	5194.2	6470
Vanadium	milligrams per litre	12	12	0.01	0.01	0.01
Zinc	milligrams per litre	12	12	0.077	0.1826	0.263

Monitoring Point 21

Groundwater monitoring point, Piezometer labelled as "GIP297" on map titled "Girilambone Ground Water Monitoring Points" received by the EPA on 27/01/11 (DOC11/5816).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.004	0.005	0.006
Barium	milligrams per litre	12	12	0.001	0.0011	0.002
Beryllium	milligrams per litre	12	12	0.001	0.001	0.001
Cadmium	milligrams per litre	12	12	0.0002	0.0003	0.0005
Chloride	milligrams per litre	12	12	90	103	119
Chromium	milligrams per litre	12	12	0.001	0.001	0.001
Cobalt	milligrams per litre	12	12	0.002	0.0032	0.007
Conductivity	microsiemens per centimetre	12	12	1090	1172.5	1330
Copper	milligrams per litre	12	12	0.027	0.0373	0.064
Iron	milligrams per litre	12	12	0.05	0.075	0.14
Lead	milligrams per litre	12	12	0.001	0.001	0.001
Manganese	milligrams per litre	12	12	0.049	0.067	0.102
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.002	0.0023	0.004
pH	pH	12	12	7.15	7.58	8.02
Standing Water Level	metres	12	12	25.86	26.98	28.15
Sulfate	milligrams per litre	12	12	194	216.67	234
Vanadium	milligrams per litre	12	12	0.01	0.01	0.01
Zinc	milligrams per litre	12	12	0.034	0.0489	0.071

Monitoring Point 22

Groundwater monitoring point, Piezometer labelled as "GIP298" on map titled "Girilambone Ground Water Monitoring Points" received by EPA on 27/01/11 (DOC11/5816).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.0078	0.01
Barium	milligrams per litre	12	12	0.004	0.0087	0.01
Beryllium	milligrams per litre	12	12	0.001	0.0078	0.01
Cadmium	milligrams per litre	12	12	0.0003	0.0008	0.0012
Chloride	milligrams per litre	12	12	8330	9598.3	10500
Chromium	milligrams per litre	12	12	0.001	0.0078	0.01
Cobalt	milligrams per litre	12	12	0.001	0.0078	0.01
Conductivity	microsiemens per centimetre	12	12	24900	30250	32500
Copper	milligrams per litre	12	12	0.009	0.0165	0.06
Iron	milligrams per litre	12	12	0.05	0.25	1.05
Lead	milligrams per litre	12	12	0.001	0.0078	0.01
Manganese	milligrams per litre	12	12	0.073	0.116	0.457
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.001	0.0078	0.01
pH	pH	12	12	7.15	7.5	7.79
Standing Water Level	metres	12	12	22.22	22.84	23.49
Sulfate	milligrams per litre	12	12	2390	2785	3010
Vanadium	milligrams per litre	12	12	0.01	0.0775	0.1
Zinc	milligrams per litre	12	12	0.005	0.042	0.068

Monitoring Point 23

Groundwater monitoring point, Piezometer labelled as "GIP299" on map titled "Girilambone Ground Water Monitoring Points" received by the EPA on 27/01/11 (DOC11/5816).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.01	0.01	0.01
Barium	milligrams per litre	12	12	0.01	0.010	0.011
Beryllium	milligrams per litre	12	12	0.01	0.01	0.01
Cadmium	milligrams per litre	12	12	0.001	0.0029	0.0038
Chloride	milligrams per litre	12	12	5770	6404.2	6920
Chromium	milligrams per litre	12	12	0.01	0.01	0.01
Cobalt	milligrams per litre	12	12	0.01	0.01	0.01
Conductivity	microsiemens per centimetre	12	12	25300	31300	34000
Copper	milligrams per litre	12	12	0.01	0.01	0.01
Iron	milligrams per litre	12	12	0.1	0.218	0.44
Lead	milligrams per litre	12	12	0.01	0.01	0.01
Manganese	milligrams per litre	12	12	0.274	0.341	0.436
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.01	0.010	0.011
pH	pH	12	12	7.14	7.42	7.6
Standing Water Level	metres	12	12	33.09	33.54	33.95
Sulfate	milligrams per litre	12	12	7240	11653	13600
Vanadium	milligrams per litre	12	12	0.1	0.1	0.1
Zinc	milligrams per litre	12	12	0.05	0.0514	0.067

Monitoring Point 24

Groundwater monitoring point, Piezometer labelled as "GIP300" on map titled "Girilambone Ground Water Monitoring Points" received by the EPA on 27/01/11 (DOC11/5816).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.01	0.01	0.01
Barium	milligrams per litre	12	12	0.024	0.036	0.048
Beryllium	milligrams per litre	12	12	0.01	0.01	0.01
Cadmium	milligrams per litre	12	12	0.0011	0.0022	0.0034
Chloride	milligrams per litre	12	12	8560	10315	11600
Chromium	milligrams per litre	12	12	0.01	0.107	0.382
Cobalt	milligrams per litre	12	12	0.01	0.011	0.019
Conductivity	microsiemens per centimetre	12	12	25400	32242	34300
Copper	milligrams per litre	12	12	0.01	0.029	0.05
Iron	milligrams per litre	12	12	0.1	0.389	1.85
Lead	milligrams per litre	12	12	0.01	0.01	0.01
Manganese	milligrams per litre	12	12	0.039	0.162	0.277
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.054	0.4946	0.763
pH	pH	12	12	7.37	7.686	7.99
Standing Water Level	metres	12	12	21.23	23.24	24.12
Sulfate	milligrams per litre	12	12	2620	3291.7	3790
Vanadium	milligrams per litre	12	12	0.1	0.1	0.1
Zinc	milligrams per litre	12	12	0.05	0.0725	0.104

Monitoring Point 25

Groundwater monitoring point, Piezometer labelled as "GIP301" on map titled "Girilambone Ground Water Monitoring Points" received by the EPA on 27/01/11 (DOC11/5816).



Annual Return

TRITTON RESOURCES PTY LTD

Licence 4501

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.001	0.001
Barium	milligrams per litre	12	12	0.01	0.014	0.018
Beryllium	milligrams per litre	12	12	0.001	0.001	0.001
Cadmium	milligrams per litre	12	12	0.0005	0.0012	0.0028
Chloride	milligrams per litre	12	12	1160	1349.2	1560
Chromium	milligrams per litre	12	12	0.001	0.001	0.001
Cobalt	milligrams per litre	12	12	0.001	0.0033	0.018
Conductivity	microsiemens per centimetre	12	12	6520	7337.5	8300
Copper	milligrams per litre	12	12	0.013	0.03	0.075
Iron	milligrams per litre	12	12	0.05	0.058	0.11
Lead	milligrams per litre	12	12	0.001	0.001	0.001
Manganese	milligrams per litre	12	12	0.005	0.1267	0.41
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.001	0.0045	0.0011
pH	pH	12	12	7.45	7.736	8.08
Standing Water Level	metres	12	12	14.94	16.58	17.93
Sulfate	milligrams per litre	12	12	968	1209.8	1290
Vanadium	milligrams per litre	12	12	0.01	0.01	0.01
Zinc	milligrams per litre	12	12	0.044	0.075	0.124

Monitoring Point 26

Groundwater monitoring point, Piezometer labelled as "GIP302" on map titled "Girilambone Ground Water Monitoring Points" received by the EPA on 27/01/11 (DOC11/5816).

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Arsenic	milligrams per litre	12	12	0.001	0.0093	0.01
Barium	milligrams per litre	12	12	0.009	0.0099	0.01
Beryllium	milligrams per litre	12	12	0.001	0.0093	0.01
Cadmium	milligrams per litre	12	12	0.0037	0.048	0.252
Chloride	milligrams per litre	12	12	5720	6714.2	8250
Chromium	milligrams per litre	12	12	0.01	0.033	0.061
Cobalt	milligrams per litre	12	12	0.033	0.4078	2.95
Conductivity	microsiemens per centimetre	12	12	25000	29375	32700
Copper	milligrams per litre	12	12	0.177	0.4703	0.626
Iron	milligrams per litre	12	12	0.1	0.286	0.76
Lead	milligrams per litre	12	12	0.002	0.0093	0.01
Manganese	milligrams per litre	12	12	1.16	17.177	94.9
Mercury	milligrams per litre	12	12	0.0001	0.0001	0.0001
Nickel	milligrams per litre	12	12	0.025	0.5272	1.53
pH	pH	12	12	6.76	7.36	7.68
Standing Water Level	metres	12	12	18.01	20.42	22.24
Sulfate	milligrams per litre	12	12	5260	8095.8	14500
Vanadium	milligrams per litre	12	12	0.01	0.0925	0.1
Zinc	milligrams per litre	12	12	0.18	0.909	5.55

B3. Volume or Mass Monitoring Summary

For each volume or mass monitoring point identified in your licence, details are displayed below. If volume or mass monitoring is not required by your licence, **no data** will appear below. If data was provided from an uploaded file, the file name will be displayed below instead of any data. **Note** that this does not exclude the need to conduct appropriate volume or mass monitoring of assessable pollutants are required by load-based licensing (if applicable).

C. Statement of Compliance - Licence Conditions

C1. Compliance with Licence Conditions

Were all conditions of the licence complied with (including monitoring and reporting requirements)?	No
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C2. Details of Non-Compliance with Licence

Licence condition number not complied with ▼
M2.2
Summary of particulars of the non-compliance ▼
Groundwater monitoring point 16 "GIP292A-S" was not sampled
Further details on particulars of non-compliance, if required ▼
Number of times occurred ▼
12
Date(s) when the non-compliance occurred, if applicable ▼
Cause of non-compliance ▼
The monitoring point was dry and thus samples were unable to be collected
Action taken or that will be taken to mitigate any adverse effects of the non-compliance ▼
N/A
Action taken or that will be taken to prevent a recurrence of the non-compliance ▼
N/A
Uploaded Document Name ▼
Uploaded Document Description ▼

D. Statement of Compliance - Load Based Fee Calculation

If you are not required to monitor assessable pollutants by your licence, **no data** will appear below.

If assessable pollutants have been identified on your licence, the following worksheets for each assessable pollutant will determine your load based fee for the licence fee period to which this Annual Return relates.

Loads of assessable pollutants must be calculated using any of the methods provided in EPA's Load Calculation Protocol for the relevant activity. A Load Calculation Protocol would have been already sent to you with your licence. If you require additional copies, you can download the Protocol from the EPA's website or you can contact us on telephone 02 9995 5700.

You are required to keep all records used to calculate licence fees for four years after the licence fee was paid or became payable, whichever is the later date.

E. Statement of Compliance - Requirement to Prepare PIRMP

Have you prepared a Pollution Incident Response Management Plan (PIRMP) as required under section 153A of the Protection of the Environment Operations (POEO) Act 1997?	Yes
Is the PIRMP available at the premises?	Yes
Is the PIRMP available in a prominent position on a publicly accessible website?	Yes
Address of the web page where the PIRMP can be accessed ▼	
https://www.aerisresources.com.au/	
Has the PIRMP been tested?	Yes
The PIRMP was last tested on	30-7-2021
Has the PIRMP been updated?	No
Number of times the PIRMP was activated in this reporting period?	0
The PIRMP was activated on	

F. Statement of Compliance - Requirement to Publish Pollution Monitoring Data

Are there any conditions attached to your licence that require pollution monitoring to be undertaken as required under section 66(6) of the Protection of the Environment Operations (POEO) Act 1997?	Yes
Do you operate a website?	Yes
Is the pollution monitoring data published on your website in accordance with the EPA's written requirements for publishing pollution monitoring data?	Yes
Address of the web page where the pollution monitoring data can be accessed ▼	
https://www.aerisresources.com.au/	

G. Statement of Compliance - Environment Management System and Practices

Do you have an ISO 14001 certified Environmental Management System (EMS) OR any other system that EPA considers is equivalent to the accountability, procedures, documentation and record keeping requirements of an ISO 14001 certified EMS?	No
Have you conducted an assessment of your activities and operations to identify the aspects that have a potential to cause environmental impacts and implemented operational controls to address these aspects?	Yes
Have you established and implemented an operational maintenance program, including preventative maintenance?	Yes
Do you keep records of regular inspections and maintenance of plant and equipment?	Yes
Do you conduct regular (at least yearly) environmental audits at the premises that are conducted by a competent and independent person?	No
Have you undertaken an independent environmental audit covering documented environmental practices, procedures and systems in place during the annual return period?	No
Have you established and implemented an environmental improvement or management plan?	Yes
Do you train staff in environmental issues that may arise from your activities and operations at the premises and keep records of this?	Yes

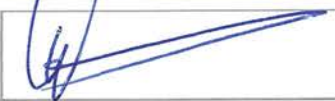
H. Signature and Certification

This Annual Return may only be signed by person(s) with legal authority to sign it as set out in following categories: an Individual, a Company, a Public authority or a Local council.

It is an offence under section 66 of the Protection of the Environment Operations Act 1997 to supply any information in this form that is false or misleading in a material respect, or to certify a statement that is false or misleading in a material respect. There is a maximum penalty of \$250,000 for a corporation and \$120,000 for an individual.

I/We

- declare that the information in the Monitoring and Complaints Summary in Section B of this Annual Return application is correct and not false or misleading in a material respect, and
- certify that the information in the Statement and Compliance in sections A, C, D, E, F, G and H and any other pages attached to Section C is correct and not false or misleading in a material respect.

Signature		Signature	
Name	W.A. Labuscitagne	Name	R.A. Bransbury

Position	Executive Chairman	Position	CFO
Date	8 / 9 / 2021	Date	8 / 9 / 2021
Declaration I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.		Declaration I declare that the information in the Monitoring and Complaints Summary in section B of this Annual Return is correct and not false or misleading in a material respect, and I certify that the information in the Statement of Compliance in section A,C,D,E,F and G and any pages attached to Section C is correct and not false or misleading in a material respect.	

