



Tritton and Girilambone Operations

Monthly Environmental Monitoring
Report

October 2015

OCTOBER 2015 – GROUNDWATER MONITORING REPORT
TRITTON OPERATIONS LICENCE NO.11254

Licensee: TRITTON RESOURCES LIMITED					
EPL No. 11254					
Sample Point	Monitoring Frequency	Sampled	Parameter	Measurement	Unit
EPA ID No. 19 - PZH008	Quarterly	07/10/2015	Arsenic	0.043	mg/L
			Barium	0.022	mg/L
			Beryllium	<0.001	mg/L
			Cadmium	<0.0001	mg/L
			Chloride	3740	mg/L
			Chromium	0.001	mg/L
			Cobalt	<0.001	mg/L
			Conductivity (EC)	14300	µS/cm
			Copper	0.006	mg/L
			Iron	1.46	mg/L
			Lead	<0.001	mg/L
			Manganese	0.057	mg/L
			Mercury	<0.0001	mg/L
			Nickel	0.004	mg/L
			pH	7.12	pH Unit
			Sulfate	1620	mg/L
			Vandium	<0.01	mg/L
			Zinc	0.016	mg/L
SWL	25.17	m			
EPA ID No. 20 - PZH009	Quarterly	06/10/2015	Arsenic	<0.001	mg/L
			Barium	0.048	mg/L
			Beryllium	<0.001	mg/L
			Cadmium	<0.0001	mg/L
			Chloride	4880	mg/L
			Chromium	<0.001	mg/L
			Cobalt	0.004	mg/L
			Conductivity (EC)	18100	µS/cm
			Copper	0.02	mg/L
			Iron	0.84	mg/L
			Lead	<0.001	mg/L
			Manganese	0.236	mg/L
			Mercury	0.0002	mg/L
			Nickel	0.005	mg/L
			pH	7.08	pH Unit
			Sulfate	2270	mg/L
			Vandium	<0.01	mg/L
			Zinc	0.013	mg/L

			SWL	20.12	m
EPA ID No. 23 - PZH014	Quarterly	06/10/2015	Arsenic	0.001	mg/L
			Barium	0.015	mg/L
			Beryllium	<0.001	mg/L
			Cadmium	0.0001	mg/L
			Chloride	4320	mg/L
			Chromium	0.002	mg/L
			Cobalt	0.003	mg/L
			Conductivity (EC)	15500	µS/cm
			Copper	0.007	mg/L
			Iron	0.26	mg/L
			Lead	0.004	mg/L
			Manganese	0.073	mg/L
			Mercury	<0.0001	mg/L
			Nickel	0.008	mg/L
			pH	6.94	pH Unit
			Sulfate	1620	mg/L
			Vandium	<0.01	mg/L
			Zinc	0.018	mg/L
			SWL	53.1	m
EPA ID No. 24 - PZH015	Quarterly	07/10/2015	Arsenic	0.001	mg/L
			Barium	0.028	mg/L
			Beryllium	<0.001	mg/L
			Cadmium	<0.0001	mg/L
			Chloride	4570	mg/L
			Chromium	<0.001	mg/L
			Cobalt	0.004	mg/L
			Conductivity (EC)	17000	µS/cm
			Copper	0.005	mg/L
			Iron	0.31	mg/L
			Lead	0.012	mg/L
			Manganese	0.122	mg/L
			Mercury	<0.0001	mg/L
			Nickel	0.006	mg/L
			pH	6.8	pH Unit
			Sulfate	2120	mg/L
			Vandium	<0.01	mg/L
			Zinc	0.013	mg/L
			SWL	54.81	m
EPA ID No. 25 - PZH017	Quarterly	07/10/2015	Arsenic	<0.001	mg/L
			Barium	0.041	mg/L
			Beryllium	<0.001	mg/L
			Cadmium	<0.0001	mg/L
			Chloride	3090	mg/L
			Chromium	<0.001	mg/L

			Cobalt	<0.001	mg/L
			Conductivity (EC)	11600	µS/cm
			Copper	0.004	mg/L
			Iron	1.84	mg/L
			Lead	<0.001	mg/L
			Manganese	0.139	mg/L
			Mercury	<0.0001	mg/L
			Nickel	<0.001	mg/L
			pH	7.78	pH Unit
			Sulfate	887	mg/L
			Vandium	<0.01	mg/L
			Zinc	0.025	mg/L
			SWL	51.52	m

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GIRILAMBONE OPERATIONS LICENCE NO.4501

Licensee: TRITTON RESOURCES LIMITED EPL No. 4501					
Sample Point	Monitoring Frequency	Sampled	Parameter	Measurement	Unit
EPA ID No. 2 - GIP224	Monthly	21/09/2015	pH SWL	7.5 4.91	pH Unit m
EPA ID No. 3 - GIP225	Monthly	21/09/2015	pH SWL	7.22 10.99	pH Unit m
EPA ID No. 4 - GIP234	Quarterly	01/10/2015	SWL	25.1	m
EPA ID No. 5 - GIP273	Quarterly	01/10/2015	SWL	17.12	m
EPA ID No. 7 - GIP274	Monthly	26/10/2015	pH SWL	7.38 17.57	pH Unit m
EPA ID No. 6 - GIP276	Quarterly	01/10/2015	SWL	20.92	m
EPA ID No. 8 - GIP277	Quarterly	01/10/2015	SWL	17.1	m
EPA ID	Quarterly	01/10/2015	SWL	25.16	m

No. 9 - GIP278					
EPA ID No. 10 - GIP279A	Quarterly	01/10/2015	SWL	24.27	m
EPA ID No. 11 - GIP280A	Quarterly	01/10/2015	SWL	21.91	m
EPA ID No. 12 - GIP290	Monthly	26/10/2015	pH SWL	7.01 15.24	pH Unit m
EPA ID No. 13 - GIP291	Monthly	13/10/2015	Arsenic Barium Beryllium Cadmium Chloride Chromium Cobalt Conductivity (EC) Copper Iron Lead Manganese Mercury Nickel pH Sulfate Vandium Zinc SWL	<0.010 0.022 <0.010 <0.0010 7410 <0.010 <0.010 26700 0.035 <0.10 <0.010 0.078 <0.0001 <0.010 7.09 2800 <0.10 <0.050 9.61	mg/L mg/L mg/L mg/L mg/L mg/L mg/L μS/cm mg/L mg/L mg/L mg/L mg/L pH Unit mg/L mg/L mg/L m
EPA ID No. 14 - GIP292A	Monthly	30/10/2015	pH SWL	4.31 5.41	pH Unit m
EPA ID No. 16 - GIP292AS	Monthly	30/10/2015	pH SWL	3.72 5.51	pH Unit m
EPA ID No. 17 - GIP293	Monthly	29/10/2015	pH SWL	6.5 12.53	pH Unit m
EPA ID No. 18 - GIP294	Monthly	29/10/2015	pH SWL	6.69 12.84	pH Unit m
EPA ID No. 19 - GIP295	Monthly	26/10/2015	pH SWL	7.33 18.38	pH Unit m

EPA ID No. 20 - GIP296	Monthly	13/10/2015	Arsenic Barium Beryllium Cadmium Chloride Chromium Cobalt Conductivity (EC) Copper Iron Lead Manganese Mercury Nickel pH Sulfate Vandium Zinc SWL	<0.001 0.015 <0.001 <0.0001 3040 0.001 <0.001 19700 0.003 0.06 <0.001 0.004 0.0001 0.007 7.08 6330 <0.01 0.008 7.56	mg/L mg/L mg/L mg/L mg/L mg/L mg/L µS/cm mg/L mg/L mg/L mg/L mg/L pH Unit mg/L mg/L mg/L m
EPA ID No. 21 - GIP297	Monthly	13/10/2015	Arsenic Barium Beryllium Cadmium Chloride Chromium Cobalt Conductivity (EC) Copper Iron Lead Manganese Mercury Nickel pH Sulfate Vandium Zinc SWL	0.007 <0.001 <0.001 <0.0001 55 0.006 <0.001 919 0.01 0.15 <0.001 0.014 0.0001 0.012 8.28 175 <0.01 0.006 25.56	mg/L mg/L mg/L mg/L mg/L mg/L mg/L µS/cm mg/L mg/L mg/L mg/L mg/L pH Unit mg/L mg/L mg/L m
EPA ID No. 22 - GIP298	Monthly	13/10/2015	Arsenic Barium Beryllium Cadmium Chloride Chromium Cobalt	<0.010 <0.010 <0.010 <0.0010 8700 <0.010 <0.010	mg/L mg/L mg/L mg/L mg/L mg/L mg/L

			pH Sulfate Vandium Zinc SWL	6.81 16300 <0.10 <0.050 19.27	pH Unit mg/L mg/L mg/L m
EPA ID No. 25 - GIP301	Monthly	29/10/2015	pH SWL	7.52 14.81	pH Unit m
EPA ID No. 26 - GIP302	Monthly	29/10/2015	pH SWL	7.24 15.04	pH Unit m