



Certificate Of Analysis

Client: Richmond Valley Council

Address: Locked Bag 10
Casino NSW 2470

Contact: Aidan Macqueen

Sampled by: Mia Donnelly / Mal Window

* **Subcontract Laboratory:** Envirolab (NATA 2901) SGS (NATA 2562)

* **Subcontract Reference:** 180043, ME304819RO

Sampled in accordance with RWL 2.0 to 2.05

Final report

RVC Casino & L River Quarterly

Report no: 17/1850

Date received: 14/11/2017

Testing commenced: 14/11/2017

Date reported: 4/12/2017

No. of samples: 10

Revision no: 00

Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1850/1 Casino Sheppard St 14/11/2017	17/1850/2 Casino North Res 14/11/2017	17/1850/3 Casino Walker Street 14/11/2017	17/1850/4 Coraki Memorial Park 14/11/2017	17/1850/5 Box Ridge Community 14/11/2017	17/1850/6 Woodburn Riverside Park 14/11/2017	17/1850/7 Broadwater Community Centre 14/11/2017	17/1850/8 Rileys Hill Community Centre 14/11/2017
Colour (True)	Pt-Co	RWL10.02	2	<2	<2	<2	<2	<2	<2	<2	<2
Ammonia-N	mg/L	RWL 10.06	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.15	<0.05	<0.05	0.09	<0.05	0.09	0.09	0.06
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	0.17	0.42	0.14	0.027	0.025	0.039	0.042	0.033
Copper (Total)	mg/L	APHA3120B	0.005	0.016	0.009	0.060	0.013	0.047	0.006	0.01	0.042
Iron (Total)	mg/L	APHA3120B	0.005	0.007	0.01	0.008	<0.005	<0.005	<0.005	0.02	<0.005
Lead (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Zinc (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Total Trihalomethanes*	µg/L	Envirolab	1	107	90	99	56	58	62	41	43
Conductivity - field	µS/cm	APHA2510B	1	476	471	475	173	171	178	178	181
Total Dissolved Solids - field	mg/L	APHA1030E	2	305	301	304	111	109	114	114	116
Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005



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Barium (Total)	mg/L	APHA3120B	0.01	0.026	0.026	0.026	<0.01	<0.01	<0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	0.006	0.006	0.006	<0.005	<0.005	<0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	23.9	20.8	21.4	20.9	21.5	23.0	22.5	23.3
Magnesium	mg/L	APHA3120B	0.1	11.9	12.7	13.0	0.9	0.9	0.6	0.6	0.7
Hardness as CaCO ₃	mg/L	APHA2340B	1	109	104	107	56	57	60	59	61
Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Sodium	mg/L	APHA3120B	0.15	59.6	57.7	61.3	12.6	12.6	12.1	12.4	12.5
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	34	34	34	14	15	14	15	15
Fluoride - ISE	mg/L	APHA4500FC	0.05	0.94	0.93	0.92	0.93	0.94	0.93	0.94	0.97
Sulphate#	mg/L	RWL 10.10	1	72.8	73.5	72.5	1.3	1.2	1.1	1.2	1.1
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	109	107	107	62	60	65	65	66
Hydrogen Sulphide*	mg/L	SGS	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1	<1	<1	<1	<1	<1	<1
Cadmium (Total)*	mg/L	Envirolab	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
Antimony (Total)*	mg/L	Envirolab	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001



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Sample No.: Sample description: Date sampled:	Unit	Method	LOR	17/1850/9 Evans Head School 14/11/2017	17/1850/10 Evans Head High Zone 14/11/2017
Colour (True)	Pt-Co	RWL10.02	2	<2	<2
Ammonia-N	mg/L	RWL 10.06	0.01	<0.01	<0.01
Nitrogen - Nitrate-N	mg/L	RWL 10.05	0.05	0.09	0.08
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	0.042	0.039
Copper (Total)	mg/L	APHA3120B	0.005	0.011	<0.005
Iron (Total)	mg/L	APHA3120B	0.005	0.008	<0.005
Lead (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Manganese (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Zinc (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Total Trihalomethanes*	µg/L	Envirolab	1	59	53
Conductivity - field	µS/cm	APHA2510B	1	181	176
Total Dissolved Solids - field	mg/L	APHA1030E	2	116	113
Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Barium (Total)	mg/L	APHA3120B	0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Calcium	mg/L	APHA3120B	0.1	24.1	23.6
Magnesium	mg/L	APHA3120B	0.1	0.6	0.6
Hardness as CaCO ₃	mg/L	APHA2340B	1	63	61
Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005



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Sodium	mg/L	APHA3120B	0.15	12.6	12.2
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	15	14
Fluoride - ISE	mg/L	APHA4500FC	0.05	0.96	0.95
Sulphate#	mg/L	RWL 10.10	1	1.1	<1.0
Alkalinity (as CaCO ₃)	mg/L	APHA2320B	20	67	65
Hydrogen Sulphide*	mg/L	SGS	0.01	<0.01	<0.01
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1
Cadmium (Total)*	mg/L	Envirolab	0.0001	<0.0001	<0.0001
Antimony (Total)*	mg/L	Envirolab	0.001	<0.001	<0.001

General comments: This report must not be reproduced except in full. This report relates only to items tested as specified herein. Samples analysed between date received and date reported. Accredited for compliance with ISO/IEC 17025. # NATA accreditation does not cover the performance of this service. Tests marked with * are subcontracted. LOR denotes 'Limit of Reporting'

Specific comments:


M Window
Laboratory Analyst
Approved Authoriser