



## Certificate Of Analysis

**Client:** Richmond Valley Council  
**Address:** Locked Bag 10  
Casino NSW 2470  
**Contact:** Sandeep Chugh  
**Sampled by:** Peter Mills

Final report

**Report no:** 21/1076  
**Date received:** 4/08/2021  
**Testing commenced:** 4/08/2021  
**Date reported:** 18/08/2021  
**No. of samples:** 10  
**Revision no:** 00

\* **Subcontract Laboratory:** Envirolab (NATA 2901) / SGS (NATA2562)

\* **Subcontract Reference:** 275398, 275568 / ME321945 RO

RVC Casino & L River Quarterly

Sampled in accordance with RWL 2.0 to 2.05

Sample No.: Sample description:	Unit	Method	LOR	21/1076/1 Casino Walker Street 5/08/2021 14:25	21/1076/2 Casino Showground 5/08/2021 13:42	21/1076/3 Casino South Res 5/08/2021 14:05	21/1076/4 Coraki Memorial Park 4/08/2021 13:35	21/1076/5 Box Ridge Community 4/08/2021 13:50	21/1076/6 Woodburn Riverside Park 4/08/2021 07:47	21/1076/7 Broadwater Community Centre 4/08/2021 09:17	21/1076/8 Rileys Hill Community Centre 4/08/2021 08:52
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	0.07	0.12	0.12	0.18	0.17	0.17	0.19	0.19
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	0.12	0.069	0.12	0.01	0.008	0.015	0.014	0.012
Copper (Total)	mg/L	APHA3120B	0.005	0.005	0.007	0.006	0.005	0.020	0.005	0.005	0.023
Iron (Total)	mg/L	APHA3120B	0.005	0.01	0.009	0.01	<0.005	<0.005	0.007	<0.005	<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	47	68	63	38	32	42	31	33
Conductivity - field	µS/cm	APHA2510B	1	398	379	403	178	179	208	195	195
Total Dissolved Solids - field	mg/L	APHA1030E	2	255	243	258	114	115	133	125	125



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Arsenic (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
Barium (Total)	mg/L	APHA3120B	0.01	0.024	0.023	0.023	<0.01	<0.01	<0.01	<0.01	<0.01
Boron (Total)	mg/L	APHA3120B	0.005	0.006	0.006	0.006	0.008	0.007	0.007	0.006	0.006
Calcium	mg/L	APHA3120B	0.1	26.6	27.2	26.3	22.7	22.3	23.8	23.5	23.0
Magnesium	mg/L	APHA3120B	0.1	16.4	15.8	16.0	0.9	0.8	0.6	0.7	0.6
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	134	133	132	60	59	62	62	60
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	35.0	35.9	35.3	17.0	17.1	17.1	17.3	17.3
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	40	40	40	16	16	16	17	17
Fluoride - ISE	mg/L	APHA4500FC	0.05	1.06	1.03	1.05	0.15	0.16	0.16	0.15	0.14
Sulphate	mg/L	RWL 10.10	1	28.8	27.6	27.8	1.4	1.5	1.4	1.6	1.6
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	68	166	117	70	70	70	73	69
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: Time sampled:	Unit	Method	LOR	21/1076/9 Evans Head School 4/08/2021 10:22	21/1076/10 Evans Head High Zone 4/08/2021 11:10
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	0.18	0.19
Nitrogen - Nitrite-N	mg/L	RWL 10.05	0.01	<0.01	<0.01
Aluminium (Total)	mg/L	APHA3120B	0.005	0.014	0.014
Copper (Total)	mg/L	APHA3120B	0.005	0.005	<0.005
Iron (Total)	mg/L	APHA3120B	0.005	<0.005	<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	31	38
Conductivity - field	µS/cm	APHA2510B	1	192	191
Total Dissolved Solids - field	mg/L	APHA1030E	2	123	122
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	0.006	0.006
Calcium	mg/L	APHA3120B	0.1	23.9	23.6
Magnesium	mg/L	APHA3120B	0.1	0.6	0.6
Hardness as CaCO <sub>3</sub>	mg/L	APHA2340B	1	62	61



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Chromium (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Sodium	mg/L	APHA3120B	0.15	17.1	16.9
Nickel (Total)	mg/L	APHA3120B	0.005	<0.005	<0.005
Chloride	mg/L	RWL 10.09	2	16	16
Fluoride - ISE	mg/L	APHA4500FC	0.05	0.15	0.16
Sulphate	mg/L	RWL 10.10	1	1.5	1.4
Alkalinity (as CaCO <sub>3</sub> )	mg/L	APHA2320B	20	73	73
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

### End of results

**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 - Testing # NATA accreditation does not cover the performance of this service. Tests marked with \* are subcontracted. LOR denotes 'Limit of Reporting' < denotes less than; > denotes greater than; ND denotes 'not detected' The results of the tests, calibrations and/or measurements included in this document are traceable to Australian/national standards

**Specific comments:**

M Window  
Laboratory Analyst  
Approved Authoriser