



Certificate Of Analysis

Client: Richmond Valley Council
Address: Locked Bag 10
Casino NSW 2470

Final report

Report no: 22/0943
Date received: 4/08/2022
Testing commenced: 4/08/2022
2
Date reported: 16/08/2022
No. of samples: 10
Revision no: 00

Contact: Sandeep Chugh

Sampled by: Rohan Das

* **Subcontract Laboratory:** DPI(14173)/Envirolab (2901)/SGS(2562)

* **Subcontract Reference:** WN221357 / 302511 / ME328555

RVC Casino & L River Quarterly

Sampled in accordance with RWL 2.0 to 2.05

Sample No.: Sample description:	Unit	Method	LOR	22/0943/1 Woodburn Riverside Park 3/08/2022 08:45	22/0943/2 Casino Showground 4/08/2022 12:35	22/0943/3 Casino Walker Street 4/08/2022 13:05	22/0943/4 Casino South Res 4/08/2022 12:15	22/0943/5 Coraki Memorial Park 3/08/2022 13:35	22/0943/6 Box Ridge Community 3/08/2022 12:55	22/0943/7 Broadwater Community Centre 3/08/2022 09:50
DPI - Colour True*	CU	DPI	1	<1	<1	<1	<1	<1	<1	<1
DPI - Ammonia*	mg/L	DPI	0.02	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
DPI - Nitrite*	mg/L	DPI	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DPI - Nitrate*	mg/L	DPI	0.02	0.15	0.24	0.22	0.21	<0.020	0.10	0.14
DPI - Aluminium (Total)*	mg/L	DPI	0.001	0.008	0.021	0.024	0.025	0.009	0.040	0.01
DPI - Copper (Total)*	mg/L	DPI	0.0005	0.027	0.006	0.004	0.003	0.015	0.062	0.013
DPI - Iron (Total)*	mg/L	DPI	0.005	<0.005	<0.005	<0.005	<0.005	0.045	0.062	0.013
DPI - Lead (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005
DPI - Manganese (Total)*	mg/L	DPI	0.0005	<0.0005	0.001	0.001	0.001	0.0008	<0.0005	<0.0005
DPI - Zinc (Total)*	mg/L	DPI	0.001	0.005	0.007	0.004	0.004	0.007	0.011	0.003
Total Trihalomethanes*	µg/L	Envirolab	1	41	62	52	72	47	37	36



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Conductivity - field	µS/cm	APHA2510B	1	212	314	335	321	202	201	209
Total Dissolved Solids - field	mg/L	APHA1030E	2	135	201	214	205	129	128	134
DPI - Arsenic (Total)*	mg/L	DPI	0.0005	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050	<0.00050
DPI - Barium (Total)*	mg/L	DPI		0.004	0.02	0.02	0.02	0.003	0.002	0.004
DPI - Boron (Total)*	mg/L	DPI	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
DPI - Calcium*	mg/L	DPI	0.03	32	21	24	24	30	28	32
DPI - Magnesium*	mg/L	DPI	0.01	0.75	12	14	14	1.0	0.99	0.81
DPI - Hardness*	mg/L	DPI	1.0	83	100	120	120	79	75	82
DPI - Chromium (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
DPI - Sodium*	mg/L	DPI	0.07	19	33	34	34	18	18	19
DPI - Nickel (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0009	<0.0005	<0.0005
DPI - Chloride*	mg/L	DPI	0.5	13	27	29	28	11	12	13
DPI - Fluoride*	mg/L	DPI	0.2	0.87	0.94	0.95	0.92	0.85	0.89	0.88
DPI - Sulphate*	mg/L	DPI		1	29	28	28	1	1	1
DPI - Alkalinity*	mg/L	DPI	14	93	100	110	98	92	89	95
DPI - Cadmium (Total)*	mg/L	DPI	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
DPI - Antimony (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
Hydrogen Sulphide*	mg/L	SGS	0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01



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Date sampled:				3/08/2022	4/08/2022	4/08/2022	4/08/2022	3/08/2022	3/08/2022	3/08/2022
Time sampled:				08:45	12:35	13:05	12:15	13:35	12:55	09:50
Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1	<1	<1	<1	<1	<1

Sample No.: Sample description:	Unit	Method	LOR	22/0943/8 Rileys Hill Community Centre	22/0943/9 Evans Head School	22/0943/10 Evans Head High Zone
Date sampled:				3/08/2022	3/08/2022	3/08/2022
Time sampled:				09:30	10:35	10:55
DPI - Colour True*	CU	DPI	1	<1	<1	<1
DPI - Ammonia*	mg/L	DPI	0.02	<0.020	<0.020	<0.020
DPI - Nitrite*	mg/L	DPI	0.01	<0.01	<0.01	<0.01
DPI - Nitrate*	mg/L	DPI	0.02	0.15	0.11	0.11
DPI - Aluminium (Total)*	mg/L	DPI	0.001	0.003	0.008	0.01
DPI - Copper (Total)*	mg/L	DPI	0.0005	0.062	0.017	0.004
DPI - Iron (Total)*	mg/L	DPI	0.005	0.062	0.017	<0.005
DPI - Lead (Total)*	mg/L	DPI	0.0005	0.001	<0.0005	<0.0005
DPI - Manganese (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005
DPI - Zinc (Total)*	mg/L	DPI	0.001	0.005	0.006	0.005
Total Trihalomethanes*	µg/L	Envirolab	1	45	35	36



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Sample No.: Sample description:	Unit	Method	LOR	22/0943/8 Rileys Hill Community Centre 3/08/2022 09:30	22/0943/9 Evans Head School 3/08/2022 10:35	22/0943/10 Evans Head High Zone 3/08/2022 10:55
Conductivity - field	µS/cm	APHA2510B	1	209	206	204
Total Dissolved Solids - field	mg/L	APHA1030E	2	134	132	131
DPI - Arsenic (Total)*	mg/L	DPI	0.0005	<0.00050	<0.00050	<0.00050
DPI - Barium (Total)*	mg/L	DPI		0.004	0.003	0.004
DPI - Boron (Total)*	mg/L	DPI	0.05	<0.05	<0.05	<0.05
DPI - Calcium*	mg/L	DPI	0.03	31	31	31
DPI - Magnesium*	mg/L	DPI	0.01	0.77	0.72	0.74
DPI - Hardness*	mg/L	DPI	1.0	81	79	80
DPI - Chromium (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005
DPI - Sodium*	mg/L	DPI	0.07	18	18	18
DPI - Nickel (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005
DPI - Chloride*	mg/L	DPI	0.5	13	11	11
DPI - Fluoride*	mg/L	DPI	0.2	0.88	0.88	0.87
DPI - Sulphate*	mg/L	DPI		1	1	1
DPI - Alkalinity*	mg/L	DPI	14	96	93	94
DPI - Cadmium (Total)*	mg/L	DPI	0.0001	<0.0001	<0.0001	<0.0001
DPI - Antimony (Total)*	mg/L	DPI	0.0005	<0.0005	<0.0005	<0.0005
Hydrogen Sulphide*	mg/L	SGS	0.01	<0.01	<0.01	<0.01



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Carbon tetrachloride*	µg/L	Envirolab	1	<1	<1	<1


End of results

Richmond Water Laboratories has temporarily relocated to Wollongbar DPI after the floods and suspended their NATA accreditation. All analysis is now fully accredited and performed under Wollongbar DPI's NATA accreditation.

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