

Certificate of Analysis - E25-00-3510

Client:	Richmond Valley Council	Laboratory:	Environmental Analysis Laboratory
Contact:	Lab Results	Contact:	EAL Customer Service Team
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Customer reference:	RVC Casino Consumer Monthly	Request ID:	EAL/E25-00-3510
Number of samples:	3	Report ID:	E25-00-3510_EALP1_1
Date samples received:	01 April 2025	Issue date:	23 April 2025

Authorised by:	Matt Pocock
Position:	Technical Team Leader



Comments: EAL is a NATA accredited laboratory (14960), accredited for compliance with ISO/IEC 17025 - Testing.

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Client Sample ID:				Walker St	North Reservoir	South Reservoir
Sample Date:				1 April 2025	1 April 2025	1 April 2025
Sample Time:				11:50	12:00	11:35
Sampled By:				MW	MW	MW
EAL Sample ID:				E25-00-3510-0001	E25-00-3510-0002	E25-00-3510-0003
Parameter	Unit	Method Reference	LOR	---	---	---
pH	units	** Field analysis	---	7.13	7.24	6.96
Turbidity	NTU	** Field analysis	<0.1	0.21	0.20	0.19
Chlorine (Total)	mg/L	** Field analysis	<0.1	1.08	1.37	1.03
Chlorine (Free)	mg/L	** Field analysis	<0.1	0.77	1.09	0.77
Chlorine (Residual)	mg/L	** Field analysis	<0.1	0.31	0.28	0.26
Temperature	Celsius	** Field analysis	---	25	24	24
Dissolved Oxygen	%	** Field analysis	---	Not supplied	Not supplied	Not supplied
NSW Health Pathology Report No.	---	** Subcontracted NSW Health Pathology	---	663418310	663418310	663418310
Total Coliforms	cfu/100 mL	** Subcontracted NSW Health Pathology	<1	<1	<1	<1
E.Coli	cfu/100 mL	** Subcontracted NSW Health Pathology	<1	<1	<1	<1
Total Plate Count	cfu/ml	** Subcontracted NSW Health Pathology	<1	11	3	<1
Phosphate	mg/L P	APHA 4500 P-G	<0.005	< 0.005	0.006	0.006
Nitrate	mg/L N	APHA 4500 NO3-F	<0.005	0.146	0.177	0.153
Nitrite	mg/L N	APHA 4500 NO2-I	<0.005	< 0.005	< 0.005	< 0.005
Ammonia	mg/L N	APHA 4500 NH3-H	<0.005	< 0.005	< 0.005	< 0.005
Silver	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Aluminium	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.036	0.026	0.034
Arsenic	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Cadmium	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Chromium	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Copper	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.040	0.008	0.002
Iron	mg/L	Total Available - APHA 3125 ICPMS	<0.005	0.008	< 0.005	< 0.005
Manganese	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.004	0.006	0.003
Nickel	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	0.001	< 0.001
Lead	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Selenium	mg/L	Total Available - APHA 3125 ICPMS	<0.001	< 0.001	< 0.001	< 0.001
Zinc	mg/L	Total Available - APHA 3125 ICPMS	<0.001	0.006	0.003	0.003
Mercury	mg/L	Total Available - APHA 3125 ICPMS	<0.0005	< 0.0005	< 0.0005	< 0.0005
SGS Report No.	---	** Subcontracted SGS Laboratories Australia	---	SE280836	SE280836	SE280836
Chloroform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	73	60	72
Bromodichloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	17	15	24
Dibromochloromethane (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	<0.5	<0.5	<0.5
Bromoform (THM)	µg/L	** Subcontracted SGS Laboratories Australia	<0.5	<0.5	<0.5	<0.5
Total THM	µg/L	** Subcontracted SGS Laboratories Australia	<2	90	75	96
True Colour	PtCo	** APHA 2120	<5	< 5	< 5	< 5

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Notes:

- ** denotes NATA accreditation does not cover the performance of this service.
- .. denotes not requested, no data/information or no guidelines available.
- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (available on request or at scu.edu.au/eal).
- Analysis conducted between sample arrival date and reporting date.
- This report is not to be reproduced except in full.
- Results only relate to the item tested.
- Analysis performed according to APHA. 2017. Standard Methods for the Examination of Water & Wastewater, 23rd Edition. Except where stated otherwise.
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1:3 Nitric/HCl digest analysed in accordance with APHA 3125 ICPMS.
- mg/L = ppm