Tweed Laboratory Centre

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FINAL CERTIFICATE OF ANALYSIS

 Report: CHEM/ORGS **Lims1 Report No:** **260363 / 00**

Client: Richmond Valley Council
Job Description: Reticulation - Quarterly
Client Reference: PU093817
Date of Report: 10/02/2026

Attention: Lab Results
Copy To:
Address: Locked Bag 10
CASINO
NSW 2470

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Results apply to the sample(s) as submitted to the laboratory.

Sampled by: M.Window **Sampled:** 3/02/2026 **No of Samples:** 10
Received: 3/02/2026 **Testing Commenced:** 3/02/2026 **Testing Completed:** 6/02/2026

LIMS No.	Sample/Site Identification	Sample/Site Description	Sample Matrix
260363-1	Coraki Park	1	Water
260363-2	Box Ridge	2	Water
260363-3	Woodburn Park	3	Water
260363-4	Riley's Hill Community Centre	1	Water
260363-5	Broadwater Community Centre	1	Water
260363-6	Evans School	1	Water
260363-7	Evans Head High Zone	1	Water
260363-8	Casino Walker St	1	Water
260363-9	Casino North Res	1	Water
260363-10	Sheppard	1	Water

NATA WORLD RECOGNISED ACCREDITATION

Accredited for compliance with ISO/IEC 17025 - testing

Accreditation No: 12754

Darryl Capner
Coordinator - Tweed Laboratory Centre
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REPORT COMMENTS

Additional information relevant to this report can be found in the Sample Receipt Notice and Chain of Custody.
Measurement Uncertainty available upon request.

Key: LOR = Limit of reporting
^ = NATA accreditation does not cover the performance of this service
* = Value is considered an estimate
NP = Not present
ND = Not detected
< = Less than
> = Greater than
SS = Sample Surrogate (Quality Control Compound)

ANALYSIS RESULTS

Sample Identification:				Coraki Park	Box Ridge	Woodburn Park	Riley's Hill Community Centre
Date Taken:				3/02/2026 8:10 AM	3/02/2026 8:25 AM	3/02/2026 8:45 AM	3/02/2026 8:55 AM
Test	Method	Units	LOR	260363-1	260363-2	260363-3	260363-4
Reticulation - Quarterly							
Iron (Soluble)	M8	mg/L	0.01	<0.01	<0.01	<0.01	<0.01
Manganese (Soluble)	M8	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Aluminium (Soluble)	M8	mg/L	0.01	0.02	0.02	0.03	0.03
Colour True	P10	Colour Units	1	<1	<1	<1	<1
Copper (Total)	M16	mg/L	0.001	0.014	0.022	0.010	0.027
Lead (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Zinc (Total)	M16	mg/L	0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (by ISE)	C36	mg/L	0.01	0.92	0.96	0.94	0.95
Antimony (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Arsenic (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Mercury (Total)	M16	µg/L	0.1	<0.1	<0.1	<0.1	<0.1
Nickel (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Alkalinity as $CaCO_3$	C10	mg/L	1	66	65	66	66
Calcium	M8	mg/L	0.1	21	21	22	22
Magnesium	M8	mg/L	0.1	1.0	1.0	0.7	0.8
Hardness Total $CaCO_3$	M8A	mg/L	.1	56	57	57	58
Sulfur as Sulfate	M8	mg/L	0.5	1.4	1.5	1.4	1.4
Volatile Organic Compounds							

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REPORT: CHEM/ORGS

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Job Description: Reticulation - Quarterly

Sample Identification:				Coraki Park	Box Ridge	Woodburn Park	Riley's Hill Community Centre
Date Taken:				3/02/2026 8:10 AM	3/02/2026 8:25 AM	3/02/2026 8:45 AM	3/02/2026 8:55 AM
Test	Method	Units	LOR	260363-1	260363-2	260363-3	260363-4
Chloroform	ORG12	µg/L	5	19	23	31	15
Bromodichloromethane	ORG12	µg/L	5	8	9	9	6
Dibromochloromethane	ORG12	µg/L	5	<5	<5	<5	<5
Bromoform	ORG12	µg/L	5	<5	<5	<5	<5
Total Trihalomethanes	ORG12	µg/L	5	27	32	40	21
Benzene	ORG12	µg/L	1	<1	<1	<1	<1
Toluene	ORG12	µg/L	5	<5	<5	<5	<5
Ethyl Benzene	ORG12	µg/L	5	<5	<5	<5	<5
ortho Xylene	ORG12	µg/L	5	<5	<5	<5	<5
meta and para Xylene	ORG12	µg/L	5	<5	<5	<5	<5
Total Xylene	ORG12	µg/L	5	<5	<5	<5	<5
Vinyl chloride	ORG12	µg/L	1	<1	<1	<1	<1
1,1-Dichloroethene	ORG12	µg/L	5	<5	<5	<5	<5
Dichloromethane	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichloroethene (trans)	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichloroethene (cis)	ORG12	µg/L	5	<5	<5	<5	<5
Total 1,2-Dichloroethene	ORG12	µg/L	5	<5	<5	<5	<5
1,1,1-Trichloroethane	ORG12	µg/L	5	<5	<5	<5	<5
Carbon Tetrachloride	ORG12	µg/L	3	<3	<3	<3	<3
1,2-Dichloroethane	ORG12	µg/L	3	<3	<3	<3	<3
Trichloroethene	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichloropropane	ORG12	µg/L	5	<5	<5	<5	<5
1,1,2-Trichloroethane	ORG12	µg/L	5	<5	<5	<5	<5
Tetrachloroethene	ORG12	µg/L	5	<5	<5	<5	<5
Chlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
Styrene	ORG12	µg/L	5	<5	<5	<5	<5
1,4-Dichlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
4-Bromofluorobenzene (SS)		%		80	81	80	76

Tweed Laboratory Centre

REPORT: CHEM/ORGS

Lims1 Report No: 260363 / 00

Client: Richmond Valley Council

Job Description: Reticulation - Quarterly

Sample Identification: Date Taken: Test	Method	Units	LOR	Broadwater Community Centre 3/02/2026 9:10 AM 260363-5	Evans School 3/02/2026 9:25 AM 260363-6	Evans Head High Zone 3/02/2026 9:40 AM 260363-7	Casino Walker St 3/02/2026 7:35 AM 260363-8
Reticulation - Quarterly							
Iron (Soluble)	M8	mg/L	0.01	<0.01	<0.01	<0.01	<0.01
Manganese (Soluble)	M8	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Aluminium (Soluble)	M8	mg/L	0.01	0.03	0.03	0.03	0.05
Colour True	P10	Colour Units	1	<1	<1	<1	<1
Copper (Total)	M16	mg/L	0.001	0.009	0.008	0.003	0.006
Lead (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Zinc (Total)	M16	mg/L	0.005	<0.005	<0.005	<0.005	<0.005
Fluoride (by ISE)	C36	mg/L	0.01	0.96	0.96	0.97	0.78
Antimony (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Arsenic (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Cadmium (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Chromium (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Mercury (Total)	M16	µg/L	0.1	<0.1	<0.1	<0.1	<0.1
Nickel (Total)	M16	mg/L	0.001	<0.001	<0.001	<0.001	<0.001
Alkalinity as $CaCO_3$	C10	mg/L	1	66	69	67	131
Calcium	M8	mg/L	0.1	21	23	22	27
Magnesium	M8	mg/L	0.1	0.8	0.7	0.7	15
Hardness Total $CaCO_3$	M8A	mg/L	.1	56	59	58	132
Sulfur as Sulfate	M8	mg/L	0.5	1.3	1.3	1.4	38
Volatile Organic Compounds							
Chloroform	ORG12	µg/L	5	15	21	22	23
Bromodichloromethane	ORG12	µg/L	5	6	9	10	19
Dibromochloromethane	ORG12	µg/L	5	<5	<5	<5	13
Bromoform	ORG12	µg/L	5	<5	<5	<5	<5
Total Trihalomethanes	ORG12	µg/L	5	21	30	32	55
Benzene	ORG12	µg/L	1	<1	<1	<1	<1
Toluene	ORG12	µg/L	5	<5	<5	<5	<5
Ethyl Benzene	ORG12	µg/L	5	<5	<5	<5	<5
ortho Xylene	ORG12	µg/L	5	<5	<5	<5	<5
meta and para Xylene	ORG12	µg/L	5	<5	<5	<5	<5
Total Xylene	ORG12	µg/L	5	<5	<5	<5	<5
Vinyl chloride	ORG12	µg/L	1	<1	<1	<1	<1
1,1-Dichloroethene	ORG12	µg/L	5	<5	<5	<5	<5

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Dichloromethane	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichloroethene (trans)	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichloroethene (cis)	ORG12	µg/L	5	<5	<5	<5	<5
Total 1,2-Dichloroethene	ORG12	µg/L	5	<5	<5	<5	<5
1,1,1-Trichloroethane	ORG12	µg/L	5	<5	<5	<5	<5
Carbon Tetrachloride	ORG12	µg/L	3	<3	<3	<3	<3
1,2-Dichloroethane	ORG12	µg/L	3	<3	<3	<3	<3
Trichloroethene	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichloropropane	ORG12	µg/L	5	<5	<5	<5	<5
1,1,2-Trichloroethane	ORG12	µg/L	5	<5	<5	<5	<5
Tetrachloroethene	ORG12	µg/L	5	<5	<5	<5	<5
Chlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
Styrene	ORG12	µg/L	5	<5	<5	<5	<5
1,4-Dichlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
1,2-Dichlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
1,2,4-Trichlorobenzene	ORG12	µg/L	5	<5	<5	<5	<5
4-Bromofluorobenzene (SS)		%		77	76	75	81

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Lims1 Report No: 260363 / 00

Client: Richmond Valley Council

Job Description: Reticulation - Quarterly

Sample Identification: Date Taken: Test	Method	Units	LOR	Casino North Res 3/02/2026 7:20 AM 260363-9	Sheppard 3/02/2026 7:10 AM 260363-10
Reticulation - Quarterly					
Iron (Soluble)	M8	mg/L	0.01	<0.01	<0.01
Manganese (Soluble)	M8	mg/L	0.001	<0.001	<0.001
Aluminium (Soluble)	M8	mg/L	0.01	0.05	0.05
Colour True	P10	Colour Units	1	<1	<1
Copper (Total)	M16	mg/L	0.001	0.009	0.007
Lead (Total)	M16	mg/L	0.001	<0.001	<0.001
Zinc (Total)	M16	mg/L	0.005	<0.005	<0.005
Fluoride (by ISE)	C36	mg/L	0.01	0.83	0.85
Antimony (Total)	M16	mg/L	0.001	<0.001	<0.001
Arsenic (Total)	M16	mg/L	0.001	<0.001	<0.001
Cadmium (Total)	M16	mg/L	0.001	<0.001	<0.001
Chromium (Total)	M16	mg/L	0.001	<0.001	<0.001
Mercury (Total)	M16	µg/L	0.1	<0.1	<0.1
Nickel (Total)	M16	mg/L	0.001	<0.001	<0.001
Alkalinity as $CaCO_3$	C10	mg/L	1	132	131
Calcium	M8	mg/L	0.1	28	28
Magnesium	M8	mg/L	0.1	16	15
Hardness Total $CaCO_3$	M8A	mg/L	.1	134	134
Sulfur as Sulfate	M8	mg/L	0.5	37	36
Volatile Organic Compounds					
Chloroform	ORG12	µg/L	5	18	23
Bromodichloromethane	ORG12	µg/L	5	16	18
Dibromochloromethane	ORG12	µg/L	5	11	12
Bromoform	ORG12	µg/L	5	<5	<5
Total Trihalomethanes	ORG12	µg/L	5	45	53
Benzene	ORG12	µg/L	1	<1	<1
Toluene	ORG12	µg/L	5	<5	<5
Ethyl Benzene	ORG12	µg/L	5	<5	<5
ortho Xylene	ORG12	µg/L	5	<5	<5
meta and para Xylene	ORG12	µg/L	5	<5	<5
Total Xylene	ORG12	µg/L	5	<5	<5
Vinyl chloride	ORG12	µg/L	1	<1	<1
1,1-Dichloroethene	ORG12	µg/L	5	<5	<5
Dichloromethane	ORG12	µg/L	5	<5	<5
1,2-Dichloroethene (trans)	ORG12	µg/L	5	<5	<5

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Sample Identification: Date Taken: Test	Method	Units	LOR	Casino North Res 3/02/2026 7:20 AM 260363-9	Sheppard 3/02/2026 7:10 AM 260363-10
1,2-Dichloroethene (cis)	ORG12	µg/L	5	<5	<5
Total 1,2-Dichloroethene	ORG12	µg/L	5	<5	<5
1,1,1-Trichloroethane	ORG12	µg/L	5	<5	<5
Carbon Tetrachloride	ORG12	µg/L	3	<3	<3
1,2-Dichloroethane	ORG12	µg/L	3	<3	<3
Trichloroethene	ORG12	µg/L	5	<5	<5
1,2-Dichloropropane	ORG12	µg/L	5	<5	<5
1,1,2-Trichloroethane	ORG12	µg/L	5	<5	<5
Tetrachloroethene	ORG12	µg/L	5	<5	<5
Chlorobenzene	ORG12	µg/L	5	<5	<5
Styrene	ORG12	µg/L	5	<5	<5
1,4-Dichlorobenzene	ORG12	µg/L	5	<5	<5
1,2-Dichlorobenzene	ORG12	µg/L	5	<5	<5
1,2,4-Trichlorobenzene	ORG12	µg/L	5	<5	<5
4-Bromofluorobenzene (SS)		%		79	79