**Phone** Office/Lab (02) 6775 1157 ABN: 72 212 385 096

email: <u>lanfaxlabs@bigpond.com.au</u> Website: <u>http:// www.lanfaxlabs.net</u> Lab address: 493 Old Inverell Road Postal: PO Box 4690 Armidale NSW 2350 Director: Dr Robert Patterson CPSS, Soil Scientists and Environmental Engineers



Quality Assurance and Quality Control by Approved Methods

## Analysis of Water Sample

Client Glen Innes Severn Council,

Glen Innes Sewage Treatment WorksReport 30th March 2025Water Sample collected25th March 2025 Analysis complete 30th March 2025Sample collected by Emily LeachSamples received chilled 25th March 2025

mg L <sup>-1</sup> = part per million)										
Parameter			EPA Limit 90 <sup>th</sup> %ile	Units	Method					
Ammonia NH <sub>3</sub> -N	0.42		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C					
Biochemical Oxygen Demand (5 days)	3.5		10	mg L <sup>-1</sup>	АРНА 5210 В					
Elect. conductivity (EC)	708			uS cm <sup>-1</sup>	APHA 2510 B					
Faecal Coliforms	27		200	cfu/ 100 mL	Membrane Filter APHA 9222 D					
NO <sub>2</sub> and NO <sub>3</sub> -N	1.58			mg L <sup>-1</sup>	APHA 4110 B					
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664					
pH	7.30		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B					
Soluble Reactive P (SRP)	0.02			mg L <sup>-1</sup>	APHA 4110 B					
Total phosphorus	0.11		0.3	mg L <sup>-1</sup>	APHA 4500 P E					
TKN - N	2.9			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C					
TN	4.5		10	mg L <sup>-1</sup>	$TKN + NO_2 + NO_3$					
Total suspended solids TSS	8		15	mg L <sup>-1</sup>	APHA 2540 D					

## **RESULTS - GLEN INNES - 25th** March 2025

0 < 0.x = measured but reading below detection level

**Reference**: APHA (2005) *Standard Meth230ods for the Examination of Water and Wastewater*. 21st Edition 2005. **Comments**. Please note the Lower detection limit under USEPA 1664 is 2 mg/L for Oil & Grease

Glen Innes STP - elemental analysis														
Glen Innes-25MAR25	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride				
Glen Innes-25MAR2	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L				
	74.2	16.5	24.1	33.4	2.4	183	65.5	474	86	52				



Commercial and research laboratory for soil, water and plant analysis. Soil survey and analytical assessments, landscape analysis and plant nutrient relationships, Wastewater and effluent reuse specialists - on-site and decentralised