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

email: lanfaxlabs@bigpond.com.au Website: http://www.lanfaxlabs.com.au Lab address: 493 Old Inverell Road Postal: PO Box 4690 Armidale NSW 2350 Director: Dr Robert Patterson FIEAust, CPSS, CPAg 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 Works Water Sample collected 9<sup>th</sup> August 2022 Sample collected by Emily Leach Samples received chilled - 9<sup>th</sup> August 2022

*Report* 16<sup>th</sup> August 2022 Analysis complete 16<sup>th</sup> August 2022

## **RESULTS - Glen Innes 9th August 2022**

mg L <sup>-1</sup> = part per million)											
Parameter		Licence Limit (90th%ile)	Units	Method							
Ammonia NH <sub>3</sub> -N	0.26	2	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C							
Biochemical Oxygen Demand (5 days)	7.2	10	mg L <sup>-1</sup>	APHA 5210 B							
Elect. conductivity (EC)	674		uS cm <sup>-1</sup>	APHA 2510 B							
Faecal Coliforms	<1	200	cfu/ 100 mL	Membrane Filter APHA 9222 D							
NO <sub>2</sub> and NO <sub>3</sub> -N	1.80		mg L <sup>-1</sup>	APHA 4110 B							
Oil & Grease	<2	2	mg L <sup>-1</sup>	USEPA 1664							
рН	7.03	6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B							
Soluble Reactive P (SRP)	0.022		mg L <sup>-1</sup>	APHA 4110 B							
Total phosphorus	0.13	0.3	mg L <sup>-1</sup>	APHA 4500 P E							
TKN - N	2.4		mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C							
TN	4.2	10	mg L <sup>-1</sup>	$TKN + NO_2 + NO_3$							
Total suspended solids TSS	15	15	mg L <sup>-1</sup>	APHA 2540 D							

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

**Reference**: APHA (2005) *Standard Methods 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										
AUGUST 2022	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes-	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
09AUG22	69.5	8.8	19.5	29.4	2.4	154	17.5	452	104	139



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