

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 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 Works

Report 1st October 2023

Water Sample collected 26th September 2023

Analysis complete 1st October 2023

Sample collected by Emily Leach

Samples received chilled 26th September 2023

RESULTS - GLEN INNES - 26th September 2023

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	1.35		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	5.5		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	835			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	2		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	2.23			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.42		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.13			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.33		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	3.9			mg L ⁻¹	APHA 4500-N _{org} C
TN	6.1		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	10		15	mg L ⁻¹	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										
SEPTEMBER 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 26SEP23	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	84.2	19.1	32.5	38.0	2.4	229	30.9	559	168	129



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