Phone Office/Lab (02) 6775 1157

ABN: 72 212 385 096

email: <u>lanfaxlabs@bigpond.com.au</u>
Website: <u>http://www.lanfaxlabs.com.au</u>

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 Report 18th July 2022 Water Sample collected 12th July 2022 Analysis complete 18th July 2022 Sample collected by Emily Leach Samples received chilled - 12th July 2022

RESULTS - Glen Innes 12th July 2022

mg L⁻¹ = part per million)

Parameter		Licence Limit (90th%ile)	Units	Method		
Ammonia NH ₃ -N	0.36	2	mg L ⁻¹	APHA 4500-NH ₃ C		
Biochemical Oxygen Demand (5 days)	2.6	10	mg L ⁻¹	APHA 5210 B		
Elect. conductivity (EC)	489		uS cm ⁻¹	APHA 2510 B		
Faecal Coliforms	2	200	cfu/ 100 mL	Membrane Filter APHA 9222 D		
NO ₂ and NO ₃ -N	1.42		mg L ⁻¹	APHA 4110 B		
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664		
pН	7.34	6.5-8.5	pH units	APHA 4500-H ⁺ B		
Soluble Reactive P (SRP)	0.02		mg L ⁻¹	APHA 4110 B		
Total phosphorus	0.107	0.3	mg L ⁻¹	APHA 4500 P E		
TKN - N	2.3		mg L ⁻¹	APHA 4500-N _{org} C		
TN	3.7	10	mg L ⁻¹	$TKN + NO_2 + NO_3$		
Total suspended solids TSS	13	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 Weir - elemental analysis											
JULY 2022	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride	
Glen Innes -	mg/L	mg/L	mg/L	mg/L	100000	mg/L	mg/L	mg/L	mg/L	mg/L	
12JUL22	42.5	7.9	20.4	26.0	1.5	149	14.1	326	124	55	

