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

Lanfax Laboratories

Quality Assurance and Quality Control by Approved Methods

Analysis of Water Sample

Client Glen Innes Severn Council,
Glen Innes Sewage Treatment Works *Report 19th March 2023*
Water Sample collected 14th March 2023 Analysis complete 19th March 2023
Sample collected by Emily Leach Samples received chilled 14th March 2023

RESULTS - GLEN INNES - 14th March 2023

mg L^{-1} = part per million)

Parameter			EPA Limit 90th %ile	*Units*	*Method*
Ammonia NH_3-N	0.49		2.0	mg L^{-1}	APHA 4500-NH_3 C
Biochemical Oxygen Demand (5 days)	8.6		10	mg L^{-1}	APHA 5210 B
Elect. conductivity (EC)	538			uS cm^{-1}	APHA 2510 B
Faecal Coliforms	7		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO_2 and NO_3 -N	0.87			mg L^{-1}	APHA 4110 B
Oil & Grease	<2		2	mg L^{-1}	USEPA 1664
pH	7.41		6.8-8.5	pH units	APHA 4500-H^+ B
Soluble Reactive P (SRP)	0.05			mg L^{-1}	APHA 4110 B
Total phosphorus	0.25		0.3	mg L^{-1}	APHA 4500 P E
TKN - N	1.9			mg L^{-1}	APHA 4500-N_{org} C
TN	2.8		10	mg L^{-1}	TKN + NO_2+NO_3
Total suspended solids TSS	20	elevated, green	15	mg L^{-1}	APHA 2540 D

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 Weir - elemental analysis										
MARCH 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
Glen Innes-14MAR23	48.7	10.8	18.3	26.5	1.8	142	19.0	360	123	72