

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works *Report 14th May 2023*
Water Sample collected 9th May 2023 *Analysis complete* 14th May 2023
Sample collected by Emily Leach *Samples received chilled* 9th May 2023

RESULTS - GLEN INNES - 9th May 2023

mg L⁻¹ = part per million)

Parameter			EPA Limit 90 th %ile	Units	Method
Ammonia NH ₃ -N	0.49		2.0	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	3.4		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	754			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	4.42			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.57		6.8-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.04			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.20		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	4.6			mg L ⁻¹	APHA 4500-N _{org} C
TN	9.0		10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	8		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										
MAY 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 09MAY23	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	76.4	17.7	27.2	34.0	2.4	197	26.3	505	152	115



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