

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works *Report* 28th February 2022
Water Sample collected as shown Analysis complete 28th February 2022
Sample collected by Emily Leach
Samples received chilled - 22nd February 2022

RESULTS - Glen Innes 22nd February 2022

mg L⁻¹ = part per million)

Parameter	22 nd		Licence Limit (90th %ile)	Units	Method
Ammonia NH ₃ -N	0.27		2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	2.9		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	415			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	4		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	1.66			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.30		6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.066			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.080		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	1.4			mg L ⁻¹	APHA 4500-N _{org} C
TN	3.1		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										
Glen Innes - 22FE	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes - 22FEB22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	39.1	8.3	14.7	23.0	1.6	118	12.6	278	95	47