

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works *Report* 21st March 2022
Water Sample collected 15th March 2022 *Analysis complete* 21st March 2022
Sample collected by Emily Leach
Samples received chilled - 15th March 2022

RESULTS - Glen Innes 15th March 2022

mg L⁻¹ = part per million)

Parameter			Licence Limit (90th%ile)	Units	Method
Ammonia NH ₃ -N	0.94		2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	4.1		10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	489			uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	4		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	0.85			mg L ⁻¹	APHA 4110 B
Oil & Grease	<2		2	mg L ⁻¹	USEPA 1664
pH	7.42		6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.127			mg L ⁻¹	APHA 4110 B
Total phosphorus	0.34		0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	3.7			mg L ⁻¹	APHA 4500-N _{org} C
TN	4.6		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 Weir - elemental analysis										
March 2022	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 15MAR22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	47.3	9.1	19.4	26.0	1.7	145	15.5	328	137	55

