

Analysis of Water Sample

Client Glen Innes Severn Council,
 Glen Innes Sewage Treatment Works Report 31st October 2021
 Water Sample collected 26th October 2021 Analysis complete 31st October 2021
 Sample collected by Nicole Wilson Samples received chilled 26th October 2021

RESULTS - Glen Innes - 26th October 2021

mg L⁻¹ = part per million)

Parameter		Licence Limit (90th%ile)	Units	Method
Ammonia NH ₃ -N	1.19	2	mg L ⁻¹	APHA 4500-NH ₃ C
Biochemical Oxygen Demand (5 days)	5.7	10	mg L ⁻¹	APHA 5210 B
Elect. conductivity (EC)	608		uS cm ⁻¹	APHA 2510 B
Faecal Coliforms	9	200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO ₂ and NO ₃ -N	1.62		mg L ⁻¹	APHA 4110 B
Oil & Grease	<2	2	mg L ⁻¹	USEPA 1664
pH	7.31	6.5-8.5	pH units	APHA 4500-H ⁺ B
Soluble Reactive P (SRP)	0.085		mg L ⁻¹	APHA 4110 B
Total phosphorus	0.480	0.3	mg L ⁻¹	APHA 4500 P E
TKN - N	5.1		mg L ⁻¹	APHA 4500-N _{org} C
TN	6.7	10	mg L ⁻¹	TKN + NO ₂ +NO ₃
Total suspended solids TSS	20	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										
OCTOBER 2021	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- 26OCT21	69.8	13.9	25.7	30.1	2.3	181	21.1	407	135	78

