

## Analysis of Water Sample

**Client** Glen Innes Severn Council,  
 Glen Innes Sewage Treatment Works *Report* 4<sup>th</sup> April 2022  
*Water Sample collected* 28<sup>th</sup> March 2022 *Analysis complete* 4<sup>th</sup> April 2022  
*Sample collected by* Emily Leach  
*Samples received chilled -* 28<sup>th</sup> March 2022

## RESULTS - Glen Innes 28<sup>th</sup> March 2022

mg L<sup>-1</sup> = part per million)

Parameter			Licence Limit (90th%ile)	Units	Method
Ammonia NH <sub>3</sub> -N	0.84		2	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	4.13		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	317			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	10		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	4.04			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.18		6.5-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.02			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	<b>0.93</b>		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	4.3			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	8.3		10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	<b>25</b>		15	mg L <sup>-1</sup>	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- 29MA	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes- 29MAR22	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	24.6	3.5	14.0	19.5	1.0	106	7.9	212	86	23