

## Analysis of Water Sample

**Client** Glen Innes Severn Council,

Glen Innes Sewage Treatment Works *Report 9<sup>th</sup> July 2023*

*Water Sample collected 4<sup>th</sup> July 2023 Analysis complete 9<sup>th</sup> July 2023*

*Sample collected by Emily Leach Samples received chilled 4<sup>th</sup> July 2023*

## RESULTS - GLEN INNES - 4<sup>th</sup> July 2023

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

Parameter			EPA Limit 90 <sup>th</sup> %ile	Units	Method
Ammonia NH <sub>3</sub> -N	7.79	Elevated	2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	4.4		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	780			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	<1		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	0.74			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.33		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.02			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.11		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	11.7			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	12.4	Elevated	10	mg L <sup>-1</sup>	TKN + NO <sub>2</sub> +NO <sub>3</sub>
Total suspended solids TSS	8		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										
JULY 2023	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
Innes-04JUL23	68.5	16.5	27.5	33.1	2.1	196	25.3	523	134	165

