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## Analysis of Water Sample

*Client* Glen Innes Severn Council,  
 Glen Innes Sewage Treatment Works *Report 12th February 2024*  
*Water Sample collected* 6<sup>th</sup> February 2024 *Analysis complete* 12<sup>th</sup> February 2024  
*Sample collected by* Emily Leach *Samples received chilled* 2<sup>nd</sup> January 2024

### RESULTS - GLEN INNES - 6<sup>th</sup> February 2024

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

Parameter			EPA Limit 90 <sup>th</sup> %ile	Units	Method
Ammonia NH <sub>3</sub> -N	1.38		2.0	mg L <sup>-1</sup>	APHA 4500-NH <sub>3</sub> C
Biochemical Oxygen Demand (5 days)	2.6		10	mg L <sup>-1</sup>	APHA 5210 B
Elect. conductivity (EC)	864			uS cm <sup>-1</sup>	APHA 2510 B
Faecal Coliforms	15		200	cfu/ 100 mL	Membrane Filter APHA 9222 D
NO <sub>2</sub> and NO <sub>3</sub> -N	2.08			mg L <sup>-1</sup>	APHA 4110 B
Oil & Grease	<2		2	mg L <sup>-1</sup>	USEPA 1664
pH	7.52		6.8-8.5	pH units	APHA 4500-H <sup>+</sup> B
Soluble Reactive P (SRP)	0.08			mg L <sup>-1</sup>	APHA 4110 B
Total phosphorus	0.30		0.3	mg L <sup>-1</sup>	APHA 4500 P E
TKN - N	2.6			mg L <sup>-1</sup>	APHA 4500-N <sub>org</sub> C
TN	4.7		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										
FEBRUARY 2024	Na	K	Mg	Ca	SAR	Hardness	Sulphur	TDS	Alkalinity	Chloride
Glen Innes 06FEB24	mg/L	mg/L	mg/L	mg/L		mg/L	mg/L	mg/L	mg/L	mg/L
	84.8	20.0	29.1	30.1	2.6	195	31.5	579	118	187



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