

RESULTS OF WATER ANALYSIS

1 sample supplied by Env Solutions Pty Ltd on 13th September, 2018. Lab Job No.H4007

Samples submitted by Rob Mitchell. Your Job: 18080 Broken Head Quarry

PO Box 248 BALLINA NSW 2478

Parameter	Methods reference	Sample 1
	<i>Job No.</i>	<i>H4007/1</i>
pH	APHA 4500-H ⁺ -B	6.93
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	7
Turbidity (NTU)	APHA 2130	12
Aluminium (mg/L)	Dissolved - APHA 3125 ICPMS ^{*note 1&2}	0.004

Notes:

- Total metals - samples digested with nitric acid; Total available (acid soluble/ extractable) metals - samples acidified with nitric acid to pH <2
Dissolved metals - samples filtered through 0.45µm cellulose acetate and then acidified with nitric acid prior to analysis
- Metals and salts analysed by Inductively Coupled Plasma - Mass Spectrometry (ICP-MS).
- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- For conductivity 1 dS/m = 1 mS/cm = 1000 µS/cm.
- Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- Analysis conducted between sample arrival date and reporting date.
- ** NATA accreditation does not cover the performance of this service.
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