

## RESULTS OF WATER ANALYSIS

3 samples supplied by Ecoteam on 11/03/2024. Lab Job No. R1669.

Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ-Surface Water - March 24

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1 SW 1 - 11/3/24	Sample 2 SW 2 - 11/3/24	Sample 3 SW 3 - 11/3/24
	<i>Job No.</i>	<i>R1669/1</i>	<i>R1669/2</i>	<i>R1669/3</i>
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	4	27	14
Phosphate (mg/L P)	APHA 4500 P-G	0.030	0.037	0.038
Nitrate (mg/L N)	APHA 4500 NO <sub>3</sub> <sup>-</sup> -F	<0.005	0.042	0.046
Nitrite (mg/L N)	APHA 4500 NO <sub>2</sub> <sup>-</sup> -I	<0.005	<0.005	<0.005
Ammonia (mg/L N)	APHA 4500 NH <sub>3</sub> -H	<0.005	0.029	0.022

### Notes:

- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- 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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- Results relate only to the samples tested.
- This report was issued on 14/03/2024.



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checked: .....  
Graham Lancaster  
Laboratory Manager

# BLAKEBROOK QUARRY- SURFACE WATER QUALITY ASSESSMENT

Sampling Observations- March 2024

<b>Blakebrook Surface Water Sample Information</b>				
<b>Site Name</b>	<b>SW1</b>	<b>SW2</b>	<b>SW3</b>	<b>SW5</b>
<b>Site Type</b>	Downstream	Upstream	Downstream	Downstream
<b>Date</b>	11/03/24	11/03/24	11/03/24	11/03/24
<b>Time</b>	11:31	11:17	11:44	14:25
<b>Sample Method</b>	Grab Sample 300mm deep	Grab Sample 300mm deep	Grab Sample 300mm deep	Not sampled
<b>Oil and Grease</b>	Not Present	Not Present	Not Present	Not Present
<b>Odour</b>	Not Present	Not Present	Not Present	Not Present
<b>Site/Water Observations</b>	Low flow, low turbidity.	Low flow, moderate turbidity.	Low flow, moderate turbidity.	Not flowing
<b>Analyte</b>	<b>Water Quality Observations</b>			
<b>pH</b>	6.78	6.30	7.86	
<b>EC <math>\mu</math>S/cm</b>	368.92	98.53	100.73	
<b>DO (%)</b>	66.37	92.90	94.40	
<b>Temperature (<math>^{\circ}</math>C)</b>	24.51	24.24	24.02	
<b>ORP</b>	94.75	118.54	105.74	
<b>Turbidity</b>	4.78	19.7	18.5	

## RESULTS OF WATER ANALYSIS

3 samples supplied by Ecoteam on 12/06/2024. Lab Job No. R5358.

Samples submitted by Lise Bolton. Your Job: SMC010-Blakebrook WQ-SW-June 24

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3	
		SW1 12/06/24	SW2 12/06/24	SW3 12/06/24	
		<i>Job No.</i>	<i>R5358/1</i>	<i>R5358/2</i>	<i>R5358/3</i>
<b>Total Suspended Solids (mg/L)</b>	GFC equiv. filter - APHA 2540-D	12	13	11	
<b>Phosphate (mg/L P)</b>	APHA 4500 P-G	0.015	0.024	0.024	
<b>Nitrate (mg/L N)</b>	APHA 4500 NO <sub>3</sub> -F	0.033	0.137	0.166	
<b>Nitrite (mg/L N)</b>	APHA 4500 NO <sub>2</sub> -I	<0.005	0.009	0.006	
<b>Ammonia (mg/L N)</b>	APHA 4500 NH <sub>3</sub> -H	0.037	0.041	0.052	

### Notes:

- 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- 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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- Results relate only to the samples tested.
- This report was issued on 20/06/2024.



# BLAKEBROOK QUARRY- SURFACE WATER QUALITY ASSESSMENT

Sampling Observations- June 2024

<b>Blakebrook Surface Water Sample Information</b>				
<b>Site Name</b>	<b>SW1</b>	<b>SW2</b>	<b>SW3</b>	<b>SW5</b>
<b>Site Type</b>	Downstream	Upstream	Downstream	Downstream
<b>Date</b>	12/06/24	12/06/24	12/06/24	12/06/24
<b>Time</b>	13:45	14:10	14:45	14:30
<b>Sample Method</b>	Grab Sample 300mm deep	Grab Sample 300mm deep	Grab Sample 300mm deep	Not sampled
<b>Oil and Grease</b>	Not Present	Not Present	Not Present	Not Present
<b>Odour</b>	Not Present	Not Present	Not Present	Not Present
<b>Site/Water Observations</b>	Low-moderate flow, moderate turbidity.	Low-moderate flow, moderate turbidity.	Low-moderate flow, moderate turbidity.	Not flowing
<b>Analyte</b>	<b>Water Quality Observations</b>			
<b>pH</b>	6.74	7.32	7.47	
<b>EC <math>\mu</math>S/cm</b>	392.56	134.38	134.58	
<b>DO (%)</b>	101.55	94.29	85.10	
<b>Temperature (<math>^{\circ}</math>C)</b>	16.95	16.07	16.63	
<b>ORP</b>	127.64	171.01	139.92	
<b>Turbidity</b>	25.6	14.7	12.7	