

RESULTS OF WATER ANALYSIS

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

Samples submitted by [REDACTED]. 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 ₃ ⁻ -F	<0.005	0.042	0.046
Nitrite (mg/L N)	APHA 4500 NO ₂ ⁻ -I	<0.005	<0.005	<0.005
Ammonia (mg/L N)	APHA 4500 NH ₃ -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.



BLAKEBROOK QUARRY- SURFACE WATER QUALITY ASSESSMENT

Sampling Observations- March 2024

Blakebrook Surface Water Sample Information				
Site Name	SW1	SW2	SW3	SW5
Site Type	Downstream	Upstream	Downstream	Downstream
Date	11/03/24	11/03/24	11/03/24	11/03/24
Time	11:31	11:17	11:44	14:25
Sample Method	Grab Sample 300mm deep	Grab Sample 300mm deep	Grab Sample 300mm deep	Not sampled
Oil and Grease	Not Present	Not Present	Not Present	Not Present
Odour	Not Present	Not Present	Not Present	Not Present
Site/Water Observations	Low flow, low turbidity.	Low flow, moderate turbidity.	Low flow, moderate turbidity.	Not flowing
Analyte	Water Quality Observations			
pH	6.78	6.30	7.86	
EC μS/cm	368.92	98.53	100.73	
DO (%)	66.37	92.90	94.40	
Temperature ($^{\circ}$C)	24.51	24.24	24.02	
ORP	94.75	118.54	105.74	
Turbidity	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 [REDACTED]. 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>
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	12	13	11	
Phosphate (mg/L P)	APHA 4500 P-G	0.015	0.024	0.024	
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	0.033	0.137	0.166	
Nitrite (mg/L N)	APHA 4500 NO ₂ -I	<0.005	0.009	0.006	
Ammonia (mg/L N)	APHA 4500 NH ₃ -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.
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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

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

RESULTS OF WATER ANALYSIS

3 samples supplied by Ecoteam on 5/09/2024. Lab Job No. R8565.

Samples submitted by [REDACTED]. Your Job: SMC010-Blakebrok WQ- Surface Water- Sept24

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3
		SW1	SW2	SW3
	<i>Job No.</i>	<i>R8565/1</i>	<i>R8565/2</i>	<i>R8565/3</i>
Total Suspended Solids (mg/L)	GFC equiv. filter - APHA 2540-D	31.0	10.0	8.00
Phosphate (mg/L P)	APHA 4500 P-G	0.019	0.026	0.032
Nitrate (mg/L N)	APHA 4500 NO ₃ -F	0.007	0.096	0.095
Nitrite (mg/L N)	APHA 4500 NO ₂ -I	<0.005	<0.005	<0.005
Ammonia (mg/L N)	APHA 4500 NH ₃ -H	0.044	0.026	0.036

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 12/09/2024.



BLAKEBROOK QUARRY- SURFACE WATER QUALITY ASSESSMENT

Sampling Observations- September 2024

Blakebrook Surface Water Sample Information				
Site Name	SW1	SW2	SW3	SW5
Site Type	Downstream	Upstream	Downstream	Downstream
Date	05/09/24	05/09/24	05/09/24	05/09/24
Time	13:08	13:35	13:52	13:48
Sample Method	Grab Sample 300mm deep	Grab Sample 300mm deep	Grab Sample 300mm deep	Not sampled
Oil and Grease	Not Present	Not Present	Not Present	Not Present
Odour	Not Present	Not Present	Not Present	Not Present
Site/Water Observations	Low-moderate flow, high turbidity.	Low-moderate flow, moderate turbidity.	Low-moderate flow, moderate turbidity.	Not flowing
Analyte	Water Quality Observations			
pH	7.95	8.50	8.12	
EC μS/cm	106.01	237.75	259.47	
DO (%)	104.03	102.65	103.57	
Temperature (°C)	20.27	20.18	20.86	
ORP	114.46	131.29	113.91	
Turbidity	81.1	13.8	11.9	