RESULTS OF WATER ANALYSIS

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

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3
		SW 1 - 11/3/24	SW 2 - 11/3/24	SW 3 - 11/3/24
	Job No.	R1669/1	R1669/2	R1669/3
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)	АРНА 4500 NO₃ ⁻ -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 NH₃-H	< 0.005	0.029	0.022

- 1. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 μg/L (micrograms per litre) = 1000 ppb (part per billion).
- 2. Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- 3. Analysis conducted between sample arrival date and reporting date.
- 4. ** NATA accreditation does not cover the performance of this service.
- 5. .. Denotes not requested.
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- 8. Results relate only to the samples tested.
- 9. This report was issued on 14/03/2024.





Sampling Observations- March 2024

Blakebroo	k Surface Wa	ter Sample Inf	ormation	
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 (°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 SMC010-Blakebrook WQ-SW-June 24

13 Ewing Street LISMORE NSW 2480

Parameter Parameter	Methods reference	Sample 1	Sample 2	Sample 3
		SW1 12/06/24	SW2 12/06/24	SW3 12/06/24
	Job No.	R5358/1	R5358/2	R5358/3
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

- 1. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- 2. Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- 3. Analysis conducted between sample arrival date and reporting date.
- 4. ** NATA accreditation does not cover the performance of this service.
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- 8. Results relate only to the samples tested.
- 9. This report was issued on 20/06/2024.





Sampling Observations- June 2024

Cita Nama	-	2110		614/5	
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 sample	
Oil and Grease	Not Present	Not Present	Not Present	Not Presen	
Odour	Not Present	Not Present	Not Present	Not Presen	
Site/Water Observations	Low-moderate flow, moderate turbidity.	Low-moderate flow, moderate turbidity.	Low-moderate flow, moderate turbidity.	Not flowing	
Analyte		Water Quality	Observations		
рН	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 Samples SMC010-Blakebrrok WQ- Surface Water- Sept24

13 Ewing Street LISMORE NSW 2480

Parameter	Methods reference	Sample 1	Sample 2	Sample 3
		SW1	SW2	SW3
	Job No.	R8565/1	R8565/2	R8565/3
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

- 1. 1 mg/L (milligram per litre) = 1 ppm (part per million) = 1000 µg/L (micrograms per litre) = 1000 ppb (part per billion).
- 2. Analysis performed according to APHA (2017) 'Standard Methods for the Examination of Water & Wastewater', 23rd Edition, except where stated otherwise.
- 3. Analysis conducted between sample arrival date and reporting date.
- 4. ** NATA accreditation does not cover the performance of this service.
- 5. .. Denotes not requested.
- 6. This report is not to be reproduced except in full.
- 7. All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (refer scu.edu.au/eal or on request).
- 8. Results relate only to the samples tested.
- 9. This report was issued on 12/09/2024.





Sampling Observations- September 2024

Blakebroo	k Surface Wa	ter Sample Inf	ormation	
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	
рН	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	





Certificate of Analysis

Request ID: EAL/E24-00-2091 Report ID: E24-00-2091_EALP3_1 Issue date: 03 January 2025

Client Sample ID:		SW1	SW2	SW3		
Sample Depth:		300	300	300		
Sample Date:		10 December 2024	10 December 2024	10 December 2024		
		EAI	L Sample ID:	E24-00-2091-0001	E24-00-2091-0002	E24-00-2091-0003
Parameter	Unit	Method Reference	LOR			
Total Suspended Solids	mg/L	GFC equiv. filter - APHA 2540- D	<1	24	55	51
Phosphate	mg/L P	APHA 4500 P-G	<0.005	0.045	0.045	0.049
Nitrate	mg/L N	APHA 4500 NO3-F	<0.005	0.010	0.159	0.131
Nitrite	mg/L N	APHA 4500 NO2-I	<0.005	0.012	0.008	0.020
Ammonia	mg/L N	APHA 4500 NH3-H	<0.005	0.027	0.029	0.033

- ** denotes NATA accreditation does not cover the performance of this service.
- ... denotes not requested, no data/information or no guidelines available.
- All services undertaken by EAL are covered by the EAL Laboratory Services Terms and Conditions (available on request or at scu.edu.au/eal).
- Analysis conducted between sample arrival date and reporting date.
- This report is not to be reproduced except in full.
- Results only relate to the item tested.
- Analysis performed according to APHA. 2017. Standard Methods for the Examination of Water & Wastewater, 23rd Edition. Except where stated otherwise.
- mg/L = ppm

Sampling Observations- December 2024

Blakebro	ok Surface Wa	ter Sample Inf	ormation	
Site Name	SW1	SW2	SW3	SW5
Site Type	Downstream	Upstream	Downstream	Downstream
Date	10/12/24	10/12/24	10/12/24	10/12/24
Time	15:00	15:15	15:28	13:20
Sample Method	Grab Sample 300mm deep	Grab Sample 300mm deep	Grab Sample 300mm deep	Not sample
Oil and Grease	Not Present	Not Present	Not Present	Not Presen
Odour	Not Present	Not Present	Not Present	Not Presen
Site/Water Observations	Moderate flow, high turbidity.	Moderate flow, high turbidity.	Moderate flow, high turbidity.	Not flowing
Analyte		Water Quality	Observations	
рН	8.43	8.33	8.22	
EC μS/cm	464.71	150.13	157.81	
DO (%)	82.06	92.64	93.37	
Temperature (°C)	26.59	26.31	26.19	
ORP	1081.93	1216.94	1143.73	
Turbidity	47.0	57.0	48.4	- I