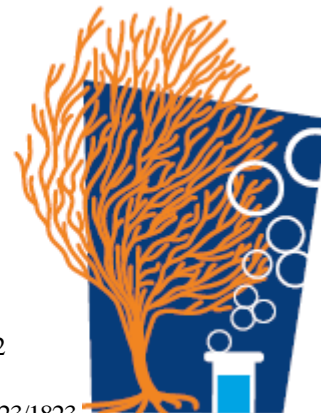


# COFFS HARBOUR LABORATORY

## Environmental Analysis

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KEMPSEY SHIRE COUNCIL  
BLAKE GIDDY  
P.O. BOX 3078  
WEST KEMPSEY NSW 2440

BATCHNUMBER: 23/1823  
No. of SAMPLES: 6  
DATE COLLECTED: 30/08/23  
DATE RECEIVED: 30/08/23  
TIME RECEIVED: 16:15  
DATE TESTING COMMENCED:  
30/08/23

### REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/1823/1	South Kempsey TP
23/1823/2	Crescent Head CW
23/1823/3	North St Final TP
23/1823/4	Hat Head C. Well
23/1823/5	South Kempsey STP Head Wall Day Pond
23/1823/6	Gladstone STP

ANALYSIS	UNITS	23/1823/1	23/1823/2	23/1823/3	23/1823/4	METHOD NO
pH	pH unit	7.0	7.2	7.5	7.5	APHA 4500-H+ B
Conductivity	$\mu\text{S}/\text{cm}$	-	1,040	-	-	APHA 2510 B
Total Dissolved Solids	mg/L	453	669	504	722	EL7B
Turbidity	NTU	-	0.80	-	1.7	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO <sub>3</sub> /L	-	-	-	221	APHA 2320 B
Total Suspended Solids	mg/L	3	<2	12	2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	4	2	6	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	5.33	0.89	5.92	1.01	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	0.32	0.07	0.37	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	0.79	0.23	13.6	0.05	APHA 4500-NH3 H
Total Nitrogen	mg/L	7.92	2.15	22.7	1.91	APHA 4500-P J
Total Phosphorus	mg/L	5.89	0.15	0.18	0.16	APHA 4500-P J
Potassium	mg/L	-	-	-	24	EL9A
Chloride	mg/L	-	-	-	-	EL10



Accredited for compliance with ISO/IEC 17025 - Testing  
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.

ANALYSIS	UNITS	23/1823/1	23/1823/2	23/1823/3	23/1823/4	METHODNO
Oil & Grease	mg/L	<2	<2	<2	<2	EL23A
Chlorophyll-a	µg/L	-	-	3	-	APHA 10200 H
Thermotolerant Coliforms	cfu/100mL	60	0	30	0	ELM3

ANALYSIS	UNITS	23/1823/5	23/1823/6			METHODNO
pH	pH unit	-	7.8			APHA 4500-H+ B
Conductivity	µS/cm	-	-			APHA 2510 B
Total Dissolved Solids	mg/L	-	-			EL7B
Turbidity	NTU	-	-			APHA 2130 B
Transmittance#	%	-	60.4			EL**32
Alkalinity	mg CaCO <sub>3</sub> /L	-	-			APHA 2320 B
Total Suspended Solids	mg/L	-	6			APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-	3			APHA 5210 B
Nitrate Nitrogen	mg/L	-	-			APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-			APHA 4500-NO 2
Ammonia Nitrogen	mg/L	-	1.77			APHA 4500-NH3 H
Total Nitrogen	mg/L	-	4.08			APHA 4500-P J
Total Phosphorus	mg/L	-	8.50			APHA 4500-P J
Potassium	mg/L	-	-			EL9A
Chloride	mg/L	-	-			EL10
Oil & Grease	mg/L	-	<2			EL23A
Chlorophyll-a	µg/L	-	1			APHA 10200 H
Thermotolerant Coliforms	cfu/100mL	26,000	900			ELM3

### Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 24th Edition, 2022, APHA. Raw data sheets stating analysis dates are available upon request.

Tests marked with '#' are not covered by NATA Accreditation.

Note: Microbiological results are presumptive.

Measurement Uncertainty is available upon request.

Report Date: 11/09/23



Accredited for compliance with ISO/IEC 17025 - Testing  
[Accreditation Numbers: 12359 (Chemical) & 14565 (Microbiological)]

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.