

# COFFS HARBOUR LABORATORY

## Environmental Analysis

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

BATCHNUMBER: 24/1460  
No. of SAMPLES: 5  
DATE COLLECTED: 19/06/24  
DATE RECEIVED: 19/06/24  
TIME RECEIVED: 16:43  
DATE TESTING COMMENCED:  
19/06/24

### REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
24/1460/1	South Kempsey TP
24/1460/2	Crescent Head CW
24/1460/3	West Kempsey TP
24/1460/4	Hat Head C. Well
24/1460/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	24/1460/1	24/1460/2	24/1460/3	24/1460/4	METHOD NO
pH	pH unit	6.9	7.3	7.5	7.6	APHA 4500-H+ B
Conductivity	$\mu\text{S}/\text{cm}$	-	966	-	961	APHA 2510 B
Total Dissolved Solids	mg/L	-	-	-	615	EL7B
Turbidity	NTU	-	0.50	-	0.35	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO <sub>3</sub> /L	-	-	-	117	APHA 2320 B
Total Suspended Solids	mg/L	<2	<2	17	<2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<2	<2	15	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	-	5.81	6.17	1.18	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-	2.17	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	0.86	0.07	0.31	<0.02	APHA 4500-NH3 H
Total Nitrogen	mg/L	9.14	7.71	11.3	2.03	APHA 4500-P J
Total Phosphorus	mg/L	3.32	0.03	0.23	0.07	APHA 4500-P J
Potassium	mg/L	-	-	-	22	EL9A
Chloride	mg/L	-	-	-	124	EL10
Oil & Grease	mg/L	<2	<2	<2	<2	EL23A



Accredited for compliance with ISO/IEC 17025 - Testing  
Accreditation Number: 12359

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

ANALYSIS	UNITS	24/1460/1	24/1460/2	24/1460/3	24/1460/4	METHODNO
Chlorophyll-a	µg/L	-	-	65	-	APHA 10200H
Thermotolerant Coliforms	cfu/100mL	30	0	<10	0	ELM3

ANALYSIS	UNITS	24/1460/5				METHODNO
pH	pH unit	-				APHA 4500-H+ B
Conductivity	µS/cm	-				APHA 2510 B
Total Dissolved Solids	mg/L	-				EL7B
Turbidity	NTU	-				APHA 2130 B
Transmittance#	%	-				EL**32
Alkalinity	mg CaCO <sub>3</sub> /L	-				APHA 2320 B
Total Suspended Solids	mg/L	-				APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	-				APHA 5210 B
Nitrate Nitrogen	mg/L	-				APHA 4500-NO3I
Nitrite Nitrogen	mg/L	-				APHA 4500-NO 2
Ammonia Nitrogen	mg/L	-				APHA 4500-NH3 H
Total Nitrogen	mg/L	-				APHA 4500-P J
Total Phosphorus	mg/L	-				APHA 4500-P J
Potassium	mg/L	-				EL9A
Chloride	mg/L	-				EL10
Oil & Grease	mg/L	-				EL23A
Chlorophyll-a	µg/L	-				APHA 10200 H
Thermotolerant Coliforms	cfu/100mL	18				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.

Measurement Uncertainty is available upon request.

Report Date: 27/06/24



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Accreditation Number: 12359

Approved:

Shane Ewart  
Technical Supervisor  
Microbiology and Chemistry

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