

COFFS HARBOUR LABORATORY

Environmental Analysis

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

BATCHNUMBER: 24/1018
No. of SAMPLES: 5
DATE COLLECTED: 24/04/24
DATE RECEIVED: 24/04/24
TIME RECEIVED: 16:40
DATE TESTING COMMENCED:
24/04/24

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
24/1018/1	South Kempsey TP
24/1018/2	Crescent Head CW
24/1018/3	West Kempsey TP
24/1018/4	Hat Head C. Well
24/1018/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	24/1018/1	24/1018/2	24/1018/3	24/1018/4	METHOD NO
pH	pH unit	6.9	7.1	8.6	7.0	APHA 4500-H+ B
Conductivity	µS/cm	-	960	-	981	APHA 2510 B
Total Dissolved Solids	mg/L	-	-	-	628	EL7B
Turbidity	NTU	-	2.7	-	1.5	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO ₃ /L	-	-	-	51	APHA 2320 B
Total Suspended Solids	mg/L	<2	5	23	3	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	<2	<2	12	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	-	0.15	4.18	3.25	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-	1.84	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	0.19	3.23	0.12	0.07	APHA 4500-NH3 H
Total Nitrogen	mg/L	5.15	4.67	15.9	4.57	APHA 4500-P J
Total Phosphorus	mg/L	2.27	0.08	0.23	0.11	APHA 4500-P J
Potassium	mg/L	-	-	-	20	EL9A
Chloride	mg/L	-	-	-	139	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	24/1018/1	24/1018/2	24/1018/3	24/1018/4	METHODNO
Chlorophyll-a	µg/L	-	-	139	-	APHA 10200H
Thermotolerant Coliforms	cfu/100mL	<10	<2	<10	0	ELM3

ANALYSIS	UNITS	24/1018/5				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 ₃ /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	250				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: 7/05/24



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Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

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