

COFFS HARBOUR LABORATORY

Environmental Analysis

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

BATCHNUMBER: 24/2451
No. of SAMPLES: 5
DATE COLLECTED: 23/10/24
DATE RECEIVED: 23/10/24
TIME RECEIVED: 16:30
DATE TESTING COMMENCED:
23/10/24

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
24/2451/1	South Kempsey TP
24/2451/2	Crescent Head CW
24/2451/3	West Kempsey TP
24/2451/4	Hat Head C. Well
24/2451/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	24/2451/1	24/2451/2	24/2451/3	24/2451/4	METHOD NO
pH	pH unit	7.0	7.4	7.6	7.4	APHA 4500-H+ B
Conductivity	µS/cm	-	1,120	-	779	APHA 2510 B
Total Dissolved Solids	mg/L	-	-	-	498	EL7B
Turbidity	NTU	-	1.1	-	0.65	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO ₃ /L	-	-	-	73	APHA 2320 B
Total Suspended Solids	mg/L	2	3	20	<2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	4	3	9	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	-	6.72	2.70	1.92	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-	0.32	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	0.72	0.43	4.69	0.02	APHA 4500-NH3 H
Total Nitrogen	mg/L	1.87	9.06	9.55	2.57	APHA 4500-P J
Total Phosphorus	mg/L	4.47	0.56	0.39	0.09	APHA 4500-P J
Potassium	mg/L	-	-	-	20	EL9A
Chloride	mg/L	-	-	-	121	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	24/2451/1	24/2451/2	24/2451/3	24/2451/4	METHODNO
Chlorophyll-a	µg/L	-	-	54	-	APHA 10200H
Thermotolerant Coliforms	cfu/100mL	50	0	15	5	ELM3

ANALYSIS	UNITS	24/2451/5				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	400				ELM3

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 24th Edition, 2023, 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: 31/10/24



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Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

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