

COFFS HARBOUR LABORATORY

Environmental Analysis

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

BATCHNUMBER: 23/2308
No. of SAMPLES: 5
DATE COLLECTED: 25/10/23
DATE RECEIVED: 25/10/23
TIME RECEIVED: 16:30
DATE TESTING COMMENCED:
25/10/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/2308/1	South Kempsey TP
23/2308/2	Crescent Head CW
23/2308/3	West Kempsey TP
23/2308/4	Hat Head C. Well
23/2308/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	23/2308/1	23/2308/2	23/2308/3	23/2308/4	METHOD NO
pH	pH unit	6.9	7.1	9.0	7.5	APHA 4500-H+ B
Conductivity	µS/cm	-	1,150	-	969	APHA 2510 B
Total Dissolved Solids	mg/L	-	-	-	620	EL7B
Turbidity	NTU	-	3.0	-	1.2	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO ₃ /L	-	-	-	171	APHA 2320 B
Total Suspended Solids	mg/L	2	4	29	<2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	3	2	7	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	-	0.04	1.19	0.32	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-	0.23	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	0.51	0.09	0.82	0.02	APHA 4500-NH3 H
Total Nitrogen	mg/L	3.21	1.17	4.80	1.00	APHA 4500-P J
Total Phosphorus	mg/L	7.81	0.13	1.19	0.34	APHA 4500-P J
Potassium	mg/L	-	-	-	26	EL9A
Chloride	mg/L	-	-	-	122	EL10
Oil & Grease	mg/L	<2	<2	<2	<2	EL23A



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	23/2308/1	23/2308/2	23/2308/3	23/2308/4	METHODNO
Chlorophyll-a	µg/L	-	-	22	-	APHA 10200 H
Thermotolerant Coliforms	cfu/100mL	390	<2	140	18	ELM 3

ANALYSIS	UNITS	23/2308/5				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-NO3 I
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	1,800				ELM 3

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: 6/11/23



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Approved:

Shane Ewart
Technical Supervisor
Microbiology and Chemistry

The results of the tests, calibrations and/or measurements included in this document are traceable to Australia