

COFFS HARBOUR LABORATORY

Environmental Analysis

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

BATCHNUMBER: 23/2078
No. of SAMPLES: 5
DATE COLLECTED: 27/09/23
DATE RECEIVED: 27/09/23
TIME RECEIVED: 16:15
DATE TESTING COMMENCED:
27/09/23

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
23/2078/1	South Kempsey TP
23/2078/2	Crescent Head CW
23/2078/3	West Kempsey TP
23/2078/4	Hat Head C. Well
23/2078/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	23/2078/1	23/2078/2	23/2078/3	23/2078/4	METHOD NO
pH	pH unit	7.0	7.0	7.4	7.4	APHA 4500-H+ B
Conductivity	µS/cm	-	1,080	-	1,020	APHA 2510 B
Total Dissolved Solids	mg/L	-	-	-	651	EL7B
Turbidity	NTU	-	1.1	-	0.60	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO ₃ /L	-	-	-	177	APHA 2320 B
Total Suspended Solids	mg/L	2	2	16	<2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	3	2	3	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	-	5.18	2.17	3.70	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-	0.17	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	4.12	0.22	7.22	0.02	APHA 4500-NH3 H
Total Nitrogen	mg/L	8.01	6.67	11.3	4.07	APHA 4500-P J
Total Phosphorus	mg/L	8.06	0.16	0.40	0.07	APHA 4500-P J
Potassium	mg/L	-	-	-	22	EL9A
Chloride	mg/L	-	-	-	120	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	23/2078/1	23/2078/2	23/2078/3	23/2078/4	METHODNO
Chlorophyll-a	µg/L	-	-	4	-	APHA 10200H
Thermotolerant Coliforms	cfu/100mL	160	2	15	0	ELM3

ANALYSIS	UNITS	23/2078/5				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	25,600				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: 10/10/23



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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