

COFFS HARBOUR LABORATORY

Environmental Analysis

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KEMPSEY SHIRE COUNCIL
PETER BRADFORD
P.O. BOX 3078
WEST KEMPSEY NSW 2440

BATCHNUMBER: 22/1976
No. of SAMPLES: 5
DATE COLLECTED: 28/09/22
DATE RECEIVED: 28/09/22
TIME RECEIVED: 15:15
DATE TESTING COMMENCED:
28/09/22

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/1976/1	South Kempsey TP
22/1976/2	Crescent Head CW
22/1976/3	North St Final TP
22/1976/4	Hat Head C. Well
22/1976/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	22/1976/1	22/1976/2	22/1976/3	22/1976/4	METHOD NO
pH	pH unit	6.8	7.2	7.1	7.5	APHA 4500-H+ B
Conductivity	µS/cm	-	754	-	-	APHA 2510 B
Total Dissolved Solids	mg/L	198	482	263	633	EL7B
Turbidity	NTU	-	1.4	-	0.50	APHA 2130 B
Alkalinity	mg CaCO ₃ /L	-	-	-	145	APHA 2320 B
Total Suspended Solids	mg/L	11	6	6	<2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	3	2	5	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	1.35	<0.02	4.34	1.26	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	0.21	<0.02	0.44	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	1.56	13.6	4.03	<0.02	APHA 4500-NH3 H
Total Nitrogen	mg/L	4.49	16.6	10.2	2.04	APHA 4500-P J
Total Phosphorus	mg/L	1.45	0.15	0.40	0.06	APHA 4500-P J
Potassium	mg/L	-	-	-	20	EL9A
Chloride	mg/L	-	-	-	119	EL10
Oil & Grease	mg/L	<2	<2	<2	<2	EL23A
Chlorophyll-a	µg/L	-	-	14	-	APHA 10200 H



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	22/1976/1	22/1976/2	22/1976/3	22/1976/4	METHODNO
Thermotolerant Coliforms	cfu/100mL	420	0	480	0	ELM3

ANALYSIS	UNITS	22/1976/5				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
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	<5				ELM3

Comments

Sample(s) collected by client and analysed as received in accordance with "Standard Methods for the Examination of Water & Wastewater", 23rd Edition, 2017, 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.

Thermotolerant Coliforms are equivalent to Faecal Coliforms.

Report Date: 7/10/22



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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