

# COFFS HARBOUR LABORATORY

## Environmental Analysis

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KEMPSEY SHIRE COUNCIL  
PETER BRADFORD  
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WEST KEMPSEY NSW 2440

BATCHNUMBER: 22/0135  
No. of SAMPLES: 5  
DATE COLLECTED: 19/01/22  
DATE RECEIVED: 19/01/22  
TIME RECEIVED: 16:05  
DATE TESTING COMMENCED:  
19/01/22

### REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
22/0135/1	South Kempsey TP
22/0135/2	Crescent Head CW
22/0135/3	North St Final TP
22/0135/4	Hat Head C. Well
22/0135/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	22/0135/1	22/0135/2	22/0135/3	22/0135/4	METHOD NO
pH	pH unit	7.1	7.0	7.5	7.6	APHA 4500-H+ B
Conductivity	$\mu\text{S}/\text{cm}$	-	885	-	-	APHA 2510 B
Total Dissolved Solids	mg/L	335	566	286	790	EL7B
Turbidity	NTU	-	1.0	-	1.4	APHA 2130 B
Alkalinity	mg CaCO <sub>3</sub> /L	-	-	-	171	APHA 2320 B
Total Suspended Solids	mg/L	5	4	18	3	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	5	<2	7	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	0.20	6.65	<0.02	0.44	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	0.08	0.05	0.04	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	1.05	0.50	1.31	0.07	APHA 4500-NH3 H
Total Nitrogen	mg/L	2.52	7.71	3.18	1.54	APHA 4500-P J
Total Phosphorus	mg/L	3.05	0.09	0.61	0.13	APHA 4500-P J
Potassium	mg/L	-	-	-	26	EL9A
Chloride	mg/L	-	-	-	140	EL10
Oil & Grease	mg/L	<2	<2	<2	<2	EL23A
Chlorophyll-a	$\mu\text{g}/\text{L}$	-	-	38	-	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	22/0135/1	22/0135/2	22/0135/3	22/0135/4	METHODNO
Faecal Coliforms	cfu/100mL	380	3	30	3	ELM3

ANALYSIS	UNITS	22/0135/5				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 <sub>3</sub> /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
Faecal Coliforms	cfu/100mL	1,660				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 membrane presumptive.

Measurement Uncertainty is available upon request.

Report Date: 3/02/22

Approved:



Michael Nolan  
Technical Officer



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