

COFFS HARBOUR LABORATORY

Environmental Analysis

Page 1 of 2



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

BATCHNUMBER: 24/0770
No. of SAMPLES: 5
DATE COLLECTED: 27/03/24
DATE RECEIVED: 27/03/24
TIME RECEIVED: 16:46
DATE TESTING COMMENCED:
27/03/24

REPORT OF ANALYSIS

SAMPLE REFERENCE	SAMPLE DESCRIPTION
24/0770/1	South Kempsey TP
24/0770/2	Crescent Head CW
24/0770/3	West Kempsey TP
24/0770/4	Hat Head C. Well
24/0770/5	South Kempsey STP Head Wall Day Pond

ANALYSIS	UNITS	24/0770/1	24/0770/2	24/0770/3	24/0770/4	METHOD NO
pH	pH unit	6.9	7.3	8.8	6.9	APHA 4500-H+ B
Conductivity	µS/cm	-	1,160	-	854	APHA 2510 B
Total Dissolved Solids	mg/L	-	-	-	547	EL7B
Turbidity	NTU	-	1.2	-	0.50	APHA 2130 B
Transmittance#	%	-	-	-	-	EL**32
Alkalinity	mg CaCO ₃ /L	-	-	-	28	APHA 2320 B
Total Suspended Solids	mg/L	3	2	16	<2	APHA 2540 D
Biochem Oxygen Demand (BOD5)	mg/L	4	<2	5	<2	APHA 5210 B
Nitrate Nitrogen	mg/L	-	1.83	2.32	0.85	APHA 4500-NO3 I
Nitrite Nitrogen	mg/L	-	-	0.23	-	APHA 4500-NO 2
Ammonia Nitrogen	mg/L	2.74	0.05	0.17	<0.02	APHA 4500-NH3 H
Total Nitrogen	mg/L	5.31	2.92	4.00	1.60	APHA 4500-P J
Total Phosphorus	mg/L	4.46	0.07	0.13	0.05	APHA 4500-P J
Potassium	mg/L	-	-	-	20	EL9A
Chloride	mg/L	-	-	-	142	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	24/0770/1	24/0770/2	24/0770/3	24/0770/4	METHODNO
Chlorophyll-a	µg/L	-	-	22	-	APHA 10200H
Thermotolerant Coliforms	cfu/100mL	720	<2	<10	0	ELM3

ANALYSIS	UNITS	24/0770/5				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	150				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.

Measurement Uncertainty is available upon request.

Report Date: 11/04/24



Accredited for compliance with ISO/IEC 17025 - Testing
Accreditation Number: 12359

Approved: 
Michael Nolan
Technical Officer

The results of the tests, calibrations and/or measurements included in this document are traceable to Australian and International standards.