

Certificate of Analysis

Contact: John Carter
Customer: Oyster Cove Waterfront CTS 283
Address: PO Box 8319
GCMC QLD 9726
Date Received: 19/10/2022
Date Commenced: 19/10/2022
Time Commenced (Microbiology):
Date Approved: 3/01/2023

Cust Ref: REC#58970126
No. of Samples: 3

Comments: Samples were collected as per sampling method SS.PM.2.4 and at sites specified by customer.

Samples were collected as per sampling method SS.PM.2.4 (2.9.2) and at sites specified by customer.
Test results have been compared to the ANZECC (2000) trigger value ranges for estuarine waters (Table 3.3.4).
Trigger values in this guideline are as follows:
Total Phosphorous 0.02mg/L. Total Nitrogen 0.250 mg/L.
Ammonia 0.015 mg/L. Oxidised Nitrogen 0.030 mg/L. Orth phosphorous 0.005mg/L.
Chlorophyll a 2 ug/L pH 7.0 - 8.5 Dissolved oxygen 80 - 120 %

Total Nitrogen results for this survey have increased compared to 28/06/2021 results.
AMENDED REPORT. This report replaces report dated 14/11/2022. Please discard previous copies. Amendment:
Total Nitrogen All Samples

For information on Uncertainty of Measurement, please go to <https://www.goldcoast.qld.gov.au/scientific-laboratory-services-16246.html>

Key: ND = Not detected * = Approximation only < = less than > = greater than EST = Estimated ^ = Test not covered by scope of NATA accreditation LOR = Level of Reporting
NP = Not Performed MPN = Most Probable Number CFU = Colony Forming Units PFU = Plaque Forming Units

This report supersedes any previous report(s) with this reference. This document shall not be reproduced, except in full.

Authorised By



Owen Walsh
Scientific Officer



WORLD RECOGNISED
ACCREDITATION

Accreditation No. 2536
Accredited for compliance
with ISO/IEC 17025 – Testing

Submission of samples implies acceptance of the Laboratory's Terms and Conditions.
<https://www.goldcoast.qld.gov.au/Services/Water-sewerage/Water-quality/Scientific-Services-laboratory>

Page : 2 of 4
Batch Number : 22101210
Survey Name : Calmwater Lake

Your feedback is important to us, please submit your comments to scientificservices@goldcoast.qld.gov.au

Certificate of Analysis

Sample ID: 2022021843 2022021844 2022021845					
Sampling Date:		19/10/2022	19/10/2022	19/10/2022	
Sampling Time:		0921	0935	0947	
Parameter	Units	LoR	Site 1- Pontoon (Pearl Bay)	Site 2- Channel btwProperty Dr & Windchimes Way	Site 3- Lock
APHA 4500 Cl-C : Chloride					
Chloride	mg/L	15	12500	13100	13000
APHA 10200 H : Chlorophyll a					
Chlorophyll a	ug/L	1	3	3	3
APHA 2510 B : Conductivity (insitu)					
Conductivity	mS/cm	0.03	34.4	36.3	36.3
APHA 4500 OG : Dissolved Oxygen (insitu)					
Dissolved Oxygen	mg/L	0.1	6.2	6.9	7.1
Dissolved Oxygen (%Sat)	% Sat		81	91	94
APHA 4500 H+ : pH (insitu)					
pH		0.03	7.4	7.7	7.7
APHA 2130 B : Turbidity					
Turbidity	NTU	0.1	1.4	2.3	3.4

Certificate of Analysis

Sample ID: 2022021843 2022021844 2022021845					
Sampling Date:		19/10/2022	19/10/2022	19/10/2022	
Sampling Time:		0921	0935	0947	
Parameter	Units	LoR	Site 1- Pontoon (Pearl Bay)	Site 2- Channel btwProperty Dr & Windchimes Way	Site 3- Lock
CMM 7.1.2 / CMM 7.2 / CMM 7.3 / CMM 10.1.2 / CMM 10.2 : Nutrients by FIA					
Ammonia Nitrogen	mg/L	0.005	0.054	0.012	0.018
Organic Nitrogen	mg/L	0.05	0.52	0.43	0.46
Orthophosphate Phosphorus	mg/L	0.003	0.003	<0.003	<0.003
Oxidised Nitrogen	mg/L	0.006	0.091	<0.006	<0.006
Total Kjeldahl Nitrogen	mg/L	0.05	0.58	0.45	0.48
Total Nitrogen	mg/L	0.05	0.67	0.45	0.48
Total Phosphorus	mg/L	0.005	0.022	0.021	0.024
APHA 2540 C / APHA 2540 D / APHA 2540 E / APHA 2540 G : Solids					
Total Suspended Solids	mg/L	2	3	7	14