



DEW - Department of Environment and Water  
ATTN: Cristina Vicente  
81-95 Waymouth Street  
Adelaide  
SA 5000 AUSTRALIA

11/03/2022

Dear Cristina

Please find attached the Final Analytical Report for

**Customer Service Request:** 143419-2022-CSR-2  
**Account:** 143419  
**Project:** AWQC-168985 DEW - Healthy Coorong Healthy Basin - non routine 2- 21/22

This report has also been sent to: Stephen Madigan

**AWQC Sample Receipt hours are Monday and Tuesday 8:30am to 8pm and Wednesday, Thursday and Friday 8:30am to 4:30pm.**

Yours sincerely,

Kristina Hickson  
Customer Service Officer  
[Kristina.Hickson@sawater.com.au](mailto:Kristina.Hickson@sawater.com.au)





## FINAL REPORT: 333464

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## Report Information

Project Name	AWQC-168985
Customer	DEW - Department of Environment and Water
CSR_ID	143419-2022-CSR-2

## Analytical Results

Sampling Point	31513-EPA - Parnka Point Boat Ramp
Sampled Date	22/02/2022 2:22:00PM
Sample Received Date	23/02/2022 3:54:55PM
Sample Analysis Completed	8/03/2022 7:44:30PM
Sample ID	2022-001-4588
Status	Endorsed
Collection Type	Customer Collected

Biology Operations	LOR	Result	Test Start Date
<b>Sample temperature at time of receipt 0.4°C</b>			
<b>Chlorophyll a &amp; Phaeophytin a T0380-02(ADEL)</b>			23/02/2022
Chlorophyll a	0.1	11.2 µg/L	
Phaeophytin a	0.1	8.32 µg/L	
<b>Inorganic Chemistry - Nutrients</b>			
<b>Sample temperature at time of receipt 0.4°C</b>			
<b>Ammonia as N T0100-01(ADEL)</b>			07/03/2022
Ammonia as N	0.005	0.005 mg/L	
<b>Nitrate + Nitrite as N T0161-01(ADEL)</b>			07/03/2022
Nitrate + Nitrite as N	0.003	<0.003 mg/L	
<b>Nitrogen - Total TMZ-M06(ADEL)</b>			23/02/2022
Nitrogen - Total		2.95 mg/L	
<b>Phosphorus - Filterable Reactive as P T0108-01(ADEL)</b>			07/03/2022
Phosphorus - Filterable Reactive as P	0.003	<0.003 mg/L	
<b>Phosphorus - Total T0109-44(ADEL)</b>			02/03/2022
Phosphorus - Total	0.005	0.129 mg/L	
<b>TKN as N T0112-01(ADEL)</b>			03/03/2022
TKN as Nitrogen	0.05	2.95 mg/L	



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**Analytical Results**

Sampling Point	31523-EPA - Long Point
Sampled Date	22/02/2022 3:55:00PM
Sample Received Date	23/02/2022 3:55:09PM
Sample Analysis Completed	8/03/2022 7:44:30PM
Sample ID	2022-001-4586
Status	Endorsed
Collection Type	Customer Collected

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Biology Operations	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 0.4°C</i>			
<b>Chlorophyll a &amp; Phaeophytin a T0380-02(ADEL)</b>			23/02/2022
Chlorophyll a	0.1	3.84 µg/L	
Phaeophytin a	0.1	1.63 µg/L	

Inorganic Chemistry - Nutrients	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 0.4°C</i>			
<b>Ammonia as N T0100-01(ADEL)</b>			07/03/2022
Ammonia as N	0.005	0.354 mg/L	
<b>Nitrate + Nitrite as N T0161-01(ADEL)</b>			07/03/2022
Nitrate + Nitrite as N	0.003	0.012 mg/L	
<b>Nitrogen - Total TMZ-M06(ADEL)</b>			23/02/2022
Nitrogen - Total		<0.06 mg/L	
<b>Phosphorus - Filterable Reactive as P T0108-01(ADEL)</b>			07/03/2022
Phosphorus - Filterable Reactive as P	0.003	0.006 mg/L	
<b>Phosphorus - Total T0109-44(ADEL)</b>			24/02/2022
Phosphorus - Total	0.005	<0.005 mg/L	
<b>TKN as N T0112-01(ADEL)</b>			03/03/2022
TKN as Nitrogen	0.05	<0.05 mg/L	



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**Analytical Results**

Sampling Point	31515-EPA - Snipe Point
Sampled Date	23/02/2022 8:55:00AM
Sample Received Date	23/02/2022 3:55:03PM
Sample Analysis Completed	8/03/2022 7:44:30PM
Sample ID	2022-001-4587
Status	Endorsed
Collection Type	Customer Collected

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Biology Operations	LOR	Result	Test Start Date
<b>Sample temperature at time of receipt 0.4°C</b>			
<b>Chlorophyll a &amp; Phaeophytin a T0380-02(ADEL)</b>			23/02/2022
Chlorophyll a	0.1	143 µg/L	
Phaeophytin a	0.1	34.0 µg/L	

Inorganic Chemistry - Nutrients	LOR	Result	Test Start Date
<b>Sample temperature at time of receipt 0.4°C</b>			
<b>Ammonia as N T0100-01(ADEL)</b>			07/03/2022
Ammonia as N	0.005	<0.005 mg/L	
<b>Nitrate + Nitrite as N T0161-01(ADEL)</b>			07/03/2022
Nitrate + Nitrite as N	0.003	<0.003 mg/L	
<b>Nitrogen - Total TMZ-M06(ADEL)</b>			23/02/2022
Nitrogen - Total		7.02 mg/L	
<b>Phosphorus - Filterable Reactive as P T0108-01(ADEL)</b>			07/03/2022
Phosphorus - Filterable Reactive as P	0.003	<0.003 mg/L	
<b>Phosphorus - Total T0109-44(ADEL)</b>			02/03/2022
Phosphorus - Total	0.005	0.118 mg/L	
<b>TKN as N T0112-01(ADEL)</b>			03/03/2022
TKN as Nitrogen	0.05	7.02 mg/L	



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WORLD RECOGNISED  
ACCREDITATION

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#### **AWQC Signatories**

Andrew Ford - Senior Technical Officer Chemistry

Dean Newman - Senior Technical Officer Biology

Melissa Phillips - Technical Officer Chemistry

Gayle Polley - Supervisor Nutrients and Waste



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### Analytical Method

Analytical Method Code	Description	Reference Method
T0100-01	Ammonia/Ammonium - Automated Flow Colorimetry	AP4500NH3G
T0108-01	Filterable Reactive Phosphorus - Automated Flow Colorimetry	AP4500PG
T0109-44	Phosphorous -total Kjeldahl for seawater by automated flow colorimetry	AP4500PF
T0112-01	Nitrogen- Total Kjeldahl by discrete analyser	AP4500NORGA
T0161-01	Nitrate + Nitrate (NOx) - Automated Flow Colorimetry	AP4500NO3I
T0380-02	Chlorophyll a & b and phaeophytin	ISO10260
TMZ-M06	Derived Results and Data Checks	AP4500NORGA

### Laboratory Information

Laboratory	NATA accreditation ID
Inorganic Chemistry - Nutrients	1115
Biology Operations	1115
Customer Service Unit	-



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- Notes
1. The last figure of the result value is a significant figure.
  2. # determination of the component is not covered by NATA Accreditation.
  3. ^ indicates result is out of specification according to the reference guideline. Refer to report footer.
  4. \* indicates an incident has been recorded against the sample. Refer to report footer.
  5. & Indicates the results have changed since the last issued report.
  6. Where a result is required to meet compliance limits the associated measurement uncertainty must be considered. Measurement uncertainty is available at <https://www.awqc.com.au/our-services/Water-quality-testing-and-analysis/measurement-uncertainty>
  7. Uncertainty of Measurement is reported with a coverage factor of 2 providing approximately 95% confidence interval
  8. The Limit of Reporting (LOR) is the lowest concentration of analyte which is reported at the AWQC and is based on the LOQ rounded up to a more readily used value. The Limit of Quantitation (LOQ) is the lowest concentration of analyte for which quantitative results may be obtained within a specified degree of confidence.
  9. Where collection type is AWQC Collect, NATA has confirmed that due to a robust system in place for maintaining the temperature integrity for samples collected by AWQC's Field Laboratory Services, the recording of temperature when samples arrive at the AWQC is out of scope.
  10. If pH has been tested then the pH will be outside of its holding time unless measured in the field.
  11. (ADEL) indicates analysed in Adelaide, (MELB) indicates analysed in Melbourne.