



DEW - Department of Environment and Water
ATTN: Claire Sims
81-95 Waymouth Street

SA 5000 AUSTRALIA

17/08/2023

Dear Claire

Please find attached the Final Analytical Report for

Customer Service Request: 143419-2023-CSR-3
Account: 143419
Project: AWQC-185643 DEW - Healthy Coorong Healthy Basin - NR Events AUG
23/24

This report has also been sent to: Tim Branford

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

Yours sincerely,

Corrina Smith
Customer Service Officer
Corrina.Smith@sawater.com.au



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



Internet: www.awqc.com.au

Email: awqc@sawater.com.au

FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Report Information

Project Name	AWQC-185643
Customer	DEW - Department of Environment and Water
CSR_ID	143419-2023-CSR-3

Analytical Results

Sampling Point	53032-EPA - Noonameena
Sampled Date	26/07/2023 5:00:00PM
Sample Received Date	27/07/2023 4:26:46PM
Sample Analysis Completed	16/08/2023 4:27:08PM
Sample ID	*2023-006-2273
Status	Endorsed
Collection Type	Customer Collected

Biology Operations	LOR	Result	Test Start Date
Sample temperature at time of receipt 8.1°C			
Algal Identification T0393(ADEL)			
CILIOPHORA			
CILIOPHORA		650 cells/mL	
CRYPTOPHYTES			
Cryptomonads		10 cells/mL	
DIATOMS			
Pennate diatoms		10 cells/mL	
Nitzschia		10 cells/mL	
Sample temperature at time of receipt 8.1°C			
Algal Biovolume T0393(ADEL)			26/07/2023
CRYPTOPHYTES			
Cryptomonads		<0.01 mm3/L	
DIATOMS			
Nitzschia		0.01 mm3/L	
# Algal Biovolume Comment		Biovolumes for taxa reported at genus level are approximate values. Reported taxa and calculated biovolume includes only those with taxon cell volume and associated cell count data. Biovolume totals have specific criteria around how they calculate.	
# Total Algae Biovolume		Not Calculated mm3/L	
# Total Blue_Green Algae Biovolume		0.00 mm3/L	
# Total Diatom Biovolume		Not Calculated mm3/L	
# Total Green Algae Biovolume		0.00 mm3/L	
Total Toxic BGA Biovolume		0.00 mm3/L	





FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	53032-EPA - Nooneameena
Sampled Date	26/07/2023 5:00:00PM
Sample Received Date	27/07/2023 4:26:46PM
Sample Analysis Completed	16/08/2023 4:27:08PM
Sample ID	*2023-006-2273
Status	Endorsed
Collection Type	Customer Collected

Sample temperature at time of receipt 8.1°C

Algal Count - Total T0393(ADEL)

26/07/2023

Algae - Total	30 cells/mL
Blue Green Algae - Total	0 cells/mL
Diatoms - Total	20 cells/mL
Geosmin-MIB producing BGA - Total	0 cells/mL
Green Algae - Total	0 cells/mL
Toxin producing BGA - Total	0 cells/mL

Sample temperature at time of receipt 8.1°C

Chlorophyll a & Phaeophytin a T0380-02(ADEL)

28/07/2023

Chlorophyll a	0.1	13.2 µg/L
Phaeophytin a	0.1	2.75 µg/L

Inorganic Chemistry - Nutrients	LOR	Result	Test Start Date
Sample temperature at time of receipt 8.1°C			
Ammonia as N (ADEL)			07/08/2023
# Ammonia as N	1	7 µg/L	
Chloride T0104-02(ADEL)			31/07/2023
Chloride	4.0	18600 mg/L	
Nitrate + Nitrite as N (ADEL)			07/08/2023
# Nitrate + Nitrite as N	0.5	42.7 µg/L	
# Nitrate + Nitrite as NO3	2.3	189 µg/L	
# Nitrate as Nitrogen		42.6 µg/L	
Nitrite as N (ADEL)			07/08/2023
# Nitrite as N	0.5	<0.5 µg/L	
Nitrogen - Total TMZ-M06(ADEL)			27/07/2023
Nitrogen - Total		2.00 mg/L	
Phosphorus - Filterable Reactive as P (ADEL)			07/08/2023
# Phosphorus -Filterable Reactive as PO4	1.5	5.382 µg/L	
Phosphorus-Filterable Reactive as P	0.5	1.8 µg/L	



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	53032-EPA - Nooneameena
Sampled Date	26/07/2023 5:00:00PM
Sample Received Date	27/07/2023 4:26:46PM
Sample Analysis Completed	16/08/2023 4:27:08PM
Sample ID	*2023-006-2273
Status	Endorsed
Collection Type	Customer Collected

Phosphorus - Total T0109-44(ADEL)			01/08/2023
Phosphorus - Total	0.005	0.079 mg/L	
Silica - Reactive T0111-01(ADEL)			31/07/2023
Silica - Reactive	0.05	1.83 mg/L	
TKN as N T0112-01(ADEL)			01/08/2023
TKN as Nitrogen	0.05	1.96 mg/L	

Organic Chemistry	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 8.1°C</i>			
Dissolved Organic Carbon T0158-07(ADEL)			01/08/2023
Dissolved Organic Carbon	1	15.7 mg/L	
Total Organic Carbon T0158-07(ADEL)			01/08/2023
Total Organic Carbon	1	16.2 mg/L	

Inorganic Chemistry - Physical	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 8.1°C</i>			
Alkalinity Carbonate Bicarbonate and Hydroxide T0101-01(ADEL)			28/07/2023
Alkalinity as Calcium Carbonate		168 mg/L	
Bicarbonate		204 mg/L	
Carbonate		0 mg/L	
Hydroxide		0 mg/L	
Conductivity & Total Dissolved Solids T0016-01(ADEL)			28/07/2023
Conductivity	2	53200 µS/cm	
Note		Conductivity measurement is corrected to 25°C	
Total Dissolved Solids (by EC)	1	37800 mg/L	
pH T0010-01(ADEL)			28/07/2023
pH		7.8 pH units	
Temperature at which pH is measured		22.2 °C	
Turbidity T0018-01(ADEL)			
Turbidity	0.1	2.3 NTU	



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



Internet: www.awqc.com.au

Email: awqc@sawater.com.au

FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	53032-EPA - Nooneena
Sampled Date	26/07/2023 5:00:00PM
Sample Received Date	27/07/2023 4:26:46PM
Sample Analysis Completed	16/08/2023 4:27:08PM
Sample ID	*2023-006-2273
Status	Endorsed
Collection Type	Customer Collected

Inorganic Chemistry - Waste Water	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 8.1°C</i>			
Suspended Solids T0160-01(ADEL)			01/08/2023
Suspended Solids	1.0	8 mg/L	



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	531012-EPA - Sth Policeman Point
Sampled Date	27/07/2023 9:05:00AM
Sample Received Date	27/07/2023 4:27:00PM
Sample Analysis Completed	16/08/2023 12:48:06PM
Sample ID	*2023-006-2272
Status	Endorsed
Collection Type	Customer Collected

Biology Operations	LOR	Result	Test Start Date
--------------------	-----	--------	-----------------

Sample temperature at time of receipt 8.1°C

Algal Identification T0393(ADEL)

DIATOMS

Nitzschia	10 cells/mL
-----------	-------------

DINOFLAGELLATES

Gymnodinioids	2 cells/mL
Heterocapsa	150 cells/mL

GREEN ALGAE

Unicellular green algae	123000 cells/mL
Phytoflagellates	675 cells/mL
Chlorella	1130000 cells/mL
Organism - Comment	Chlorella - The identification for this organism is tentative only.

Sample temperature at time of receipt 8.1°C

Algal Biovolume T0393(ADEL)

27/07/2023

DIATOMS

Nitzschia	0.01 mm3/L
-----------	------------

GREEN ALGAE

Chlorella	50.8 mm3/L
# Algal Biovolume Comment	Biovolumes for taxa reported at genus level are approximate values. Reported taxa and calculated biovolume includes only those with taxon cell volume and associated cell count data. Biovolume totals have specific criteria around how they calculate.
# Total Algae Biovolume	Not Calculated mm3/L
# Total Blue_Green Algae Biovolume	0.00 mm3/L
# Total Diatom Biovolume	0.01 mm3/L
# Total Green Algae Biovolume	Not Calculated mm3/L
Total Toxic BGA Biovolume	0.00 mm3/L



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing

WORLD RECOGNISED
ACCREDITATION



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	531012-EPA - Sth Policeman Point
Sampled Date	27/07/2023 9:05:00AM
Sample Received Date	27/07/2023 4:27:00PM
Sample Analysis Completed	16/08/2023 12:48:06PM
Sample ID	*2023-006-2272
Status	Endorsed
Collection Type	Customer Collected

Sample temperature at time of receipt 8.1°C

Algal Count - Total T0393(ADEL)

27/07/2023

Algae - Total	1250000 cells/mL
Blue Green Algae - Total	0 cells/mL
Diatoms - Total	10 cells/mL
Geosmin-MIB producing BGA - Total	0 cells/mL
Green Algae - Total	1250000 cells/mL
Toxin producing BGA - Total	0 cells/mL

Sample temperature at time of receipt 8.1°C

Chlorophyll a & Phaeophytin a T0380-02(ADEL)

28/07/2023

Chlorophyll a	0.1	111 µg/L
Phaeophytin a	0.1	41.5 µg/L

Inorganic Chemistry - Nutrients	LOR	Result	Test Start Date
Sample temperature at time of receipt 8.1°C			
Ammonia as N (ADEL)			07/08/2023
# Ammonia as N	1	8 µg/L	
Chloride T0104-02(ADEL)			31/07/2023
Chloride	4.0	26500 mg/L	
Nitrate + Nitrite as N (ADEL)			07/08/2023
# Nitrate + Nitrite as N	0.5	3.8 µg/L	
# Nitrate + Nitrite as NO3	2.3	16.8 µg/L	
# Nitrate as Nitrogen		1.43 µg/L	
Nitrite as N (ADEL)			07/08/2023
# Nitrite as N	0.5	2.4 µg/L	
Nitrogen - Total TMZ-M06(ADEL)			27/07/2023
Nitrogen - Total		3.70 mg/L	
Phosphorus - Filterable Reactive as P (ADEL)			07/08/2023
# Phosphorus -Filterable Reactive as PO4	1.5	13.455 µg/L	
Phosphorus-Filterable Reactive as P	0.5	4.5 µg/L	
Phosphorus - Total T0109-44(ADEL)			01/08/2023



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	531012-EPA - Sth Policeman Point
Sampled Date	27/07/2023 9:05:00AM
Sample Received Date	27/07/2023 4:27:00PM
Sample Analysis Completed	16/08/2023 12:48:06PM
Sample ID	*2023-006-2272
Status	Endorsed
Collection Type	Customer Collected

Phosphorus - Total T0109-44(ADEL)			01/08/2023
Phosphorus - Total	0.005	0.129 mg/L	
Silica - Reactive T0111-01(ADEL)			31/07/2023
Silica - Reactive	0.05	6.51 mg/L	
TKN as N T0112-01(ADEL)			01/08/2023
TKN as Nitrogen	0.05	3.70 mg/L	

Organic Chemistry	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 8.1°C</i>			
Dissolved Organic Carbon T0158-07(ADEL)			14/08/2023
Dissolved Organic Carbon	1	21.3 mg/L	
Total Organic Carbon T0158-07(ADEL)			14/08/2023
Total Organic Carbon	1	27.2 mg/L	

Inorganic Chemistry - Physical	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 8.1°C</i>			
Alkalinity Carbonate Bicarbonate and Hydroxide T0101-01(ADEL)			28/07/2023
Alkalinity as Calcium Carbonate		221 mg/L	
Bicarbonate		270 mg/L	
Carbonate		0 mg/L	
Hydroxide		0 mg/L	
Conductivity & Total Dissolved Solids T0016-01(ADEL)			28/07/2023
Conductivity	2	68700 µS/cm	
Note		Conductivity measurement is corrected to 25°C	
Total Dissolved Solids (by EC)	1	52100 mg/L	
pH T0010-01(ADEL)			28/07/2023
pH		8.0 pH units	
Temperature at which pH is measured		22.2 °C	
Turbidity T0018-01(ADEL)			28/07/2023
Turbidity	0.1	12 NTU	



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Results

Sampling Point	531012-EPA - Sth Policeman Point
Sampled Date	27/07/2023 9:05:00AM
Sample Received Date	27/07/2023 4:27:00PM
Sample Analysis Completed	16/08/2023 12:48:06PM
Sample ID	*2023-006-2272
Status	Endorsed
Collection Type	Customer Collected

Inorganic Chemistry - Waste Water	LOR	Result	Test Start Date
<i>Sample temperature at time of receipt 8.1°C</i>			
Suspended Solids T0160-01(ADEL)			02/08/2023
Suspended Solids	1.0	32 mg/L	





FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

AWQC Signatories

Ivana Cech - Technical Officer Chemistry

Thuy Diep - Technical Officer Chemistry

Sharon Helgeson - Technical Officer Life Sciences

Kerrie Jooste - Manager Chemistry Services

John Martini - Method Development Specialist

Dean Newman - Senior Technical Officer Biology

Melissa Phillips - Technical Officer Chemistry

Gayle Polley - Supervisor Nutrients and Waste



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Incidents

Sample ID	S.Point	Description	Sampled Date	Analysis (where Applicable)	Incident Description
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	pH	Test not processed within holding time
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	Silica - Reactive	Test not processed within holding time
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	Nitrite as N	Test not processed within holding time
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	Total Organic Carbon	Test not processed within holding time
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	Dissolved Organic Carbon	Test not processed within holding time
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	Total Organic Carbon	Test not processed within holding time
2023-006-2272	531012	EPA - Sth Policeman Point	27/07/2023	Dissolved Organic Carbon	Test not processed within holding time
2023-006-2273	53032	EPA - Nooneameena	26/07/2023	pH	Test not processed within holding time
2023-006-2273	53032	EPA - Nooneameena	26/07/2023	Silica - Reactive	Test not processed within holding time
2023-006-2273	53032	EPA - Nooneameena	26/07/2023	Nitrite as N	Test not processed within holding time



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing

WORLD RECOGNISED
ACCREDITATION



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Bottles Not Collected

Sample ID	S.Point	Description	Sampled Date	Laboratory	Non Collect Reason
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2255-0	31525	EPA - Villa de Yumpa	14/08/2023	Customer Service Unit	Customer chose not to collect bottle
2023-006-2255-1	31525	EPA - Villa de Yumpa	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2256-0	31523	EPA - Long Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Biology Operations	Customer chose not to collect bottle



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing

WORLD RECOGNISED
ACCREDITATION

FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2257-0	31526	EPA - Nth Jack Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2258-0	31515	EPA - Snipe Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2259-0	31513	EPA - Parnka Point Boat Ramp	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2260-0	31511	EPA - 3.2km South Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2261-0	31517	EPA - 1.8km West Salt Creek	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Biology Operations	Customer chose not to collect bottle



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing

WORLD RECOGNISED
ACCREDITATION

FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2262-0	31514	EPA - Stoney Well	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2263-0	31512	EPA - McGrath Flat North	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2264-0	31519	EPA - Morella Basin at Outlet Regulator	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2265-0	315191	EPA - Morella Creek @ guage	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2266-0	300713	Tilley Swamp Drain D/S Northern Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2267-0	11504	DEW - Mundoo Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2268-0	11505	DEW - Mundoo Downstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2269-0	31524	EPA - Bonneys	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2270-0	31528	EPA - Salt Creek Outlet	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2271-0	353177	EPA - Tauwichee Barrage DS	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Organic Chemistry	Customer chose not to collect bottle



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing

WORLD RECOGNISED
ACCREDITATION



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2274-0	31522	EPA - Mark Point	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2275-0	351213	EPA - Murray Mouth	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Biology Operations	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Inorganic Chemistry - Physical	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Organic Chemistry	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Inorganic Chemistry - Waste Water	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle
2023-006-2276-0	353179	EPA - Tauwitschere Barrage Upstream	14/08/2023	Inorganic Chemistry - Nutrients	Customer chose not to collect bottle



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing



FINAL REPORT: 368112

This report shall not be reproduced, except in full without the written permission of the laboratory.

Analytical Method

Analytical Method Code	Description	Reference Method
T0010-01	Determination of pH	AP4500HB
T0016-01	Determination of Conductivity - Corrected to 25C	AP2510B
T0018-01	Turbidity - Nephelometric Measurement	APAWWA-WEF
T0101-01	Alkalinity - Automated Acidimetric Titration	AP2320B
T0104-02	Chloride - Discrete Analyser	AP4500CLE
T0109-44	Phosphorous -total Kjeldahl for seawater by automated flow colorimetry	AP4500PF
T0111-01	Silica by automated fow colorimetry	AP4500SI02
T0112-01	Nitrogen- Total Kjeldahl by discrete analyser	AP4500NORGA
T0158-07	Total and Dissolved Organic Carbon (OI Analytical)	SM5310C
T0160-01	Suspended Solids 103C to 105C	AP4500
T0380-02	Chlorophyll a & b and phaeophytin	ISO10260
T0393	Microalgae & Cyanobacteria - Scan & Identification	
T0393	Microalgae & Cyanobacteria - Scan & Identification	Hotzel1999
TMZ-M06	Derived Results and Data Checks	AP4500NORGA

Sampling Method

Sampling Method Code	Description
W09-023	Sampling Method for Chemical Analyses
W09-024	Sampling Method for Biological Analyses
	Sampling point and date sampled are provided when collected by customers. Validity of results are based on information and samples supplied by customers. Unless it is reported that sampling has been performed by AWQC, the samples have been analysed as received.

Laboratory Information

Laboratory	NATA accreditation ID
Inorganic Chemistry - Physical	1115
Inorganic Chemistry - Waste Water	1115
Inorganic Chemistry - Nutrients	1115
Organic Chemistry	1115
Biology Operations	1115



Corporate Accreditation
No.1115 Chemical and
Biological Testing
Accredited for compliance
with ISO/IEC 17025 -
Testing

- 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.
 12. AWQC Melbourne Laboratory are only NATA accredited for sampling of potable waters by inhouse method W 09-023.