

SAMPLE RECEIPT NOTIFICATION (SRN)

Work Order : EM2116912

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|--|--|
| <p>Client : Dept for Environment & Water</p> <p>Contact : Mr FRANK MANGERUCA</p> <p>Address : GPO BOX 2834 ADELAIDE SA, AUSTRALIA 5001</p> <p>E-mail : frank.mangeruca@sa.gov.au</p> <p>Telephone : ----</p> <p>Facsimile : ----</p> <p>Project : HCHB</p> <p>Order number : ----</p> <p>C-O-C number : ----</p> <p>Site : ----</p> <p>Sampler : RB</p> | <p>Laboratory : Environmental Division Melbourne</p> <p>Contact : Kieren Burns</p> <p>Address : 4 Westall Rd Springvale VIC Australia 3171</p> <p>E-mail : Kieren.Burns@alsglobal.com</p> <p>Telephone : +61881625130</p> <p>Facsimile : +61-3-8549 9626</p> <p>Page : 1 of 5</p> <p>Quote number : EM2020DEPWAT0003 (AD/052/20 V2)</p> <p>QC Level : NEPM 2013 B3 & ALS QC Standard</p> |
|--|--|

Dates

| | |
|---|---|
| Date Samples Received : 26-Aug-2021 11:10 | Issue Date : 26-Aug-2021 |
| Client Requested Due : 03-Sep-2021 | Scheduled Reporting Date : 03-Sep-2021 |
| Date | |

Delivery Details

| | |
|----------------------------|--|
| Mode of Delivery : Carrier | Security Seal : Intact. |
| No. of coolers/boxes : 4 | Temperature : 1.8° - Ice present |
| Receipt Detail : | No. of samples received / analysed : 21 / 21 |

General Comments

- This report contains the following information:
 - Sample Container(s)/Preservation Non-Compliances
 - Summary of Sample(s) and Requested Analysis
 - Proactive Holding Time Report
 - Requested Deliverables
- **The scheduled reporting date has been extended due to analytical testing conducted by ALS interstate laboratories. Please refer to your quotation for further information.**
- **Please direct any queries related to sample condition / numbering / breakages to Client Services.**
- Sample Disposal - Aqueous (3 weeks), Solid (2 months) from receipt of samples.
- **Analytical work for this work order will be conducted at ALS Springvale, ALS Scoreby and ALS Sydney.**
- **Please refer to the Proactive Holding Time Report table below which summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory. The laboratory will process these samples unless instructions are received from you indicating you do not wish to proceed. The absence of this summary table indicates that all samples have been received within the recommended holding times for the analysis requested.**
- Please be aware that APHA/NEPM recommends water and soil samples be chilled to less than or equal to 6°C for chemical analysis, and less than or equal to 10°C but unfrozen for Microbiological analysis. Where samples are received above this temperature, it should be taken into consideration when interpreting results. Refer to ALS EnviroMail 85 for ALS recommendations of the best practice for chilling samples after sampling and for maintaining a cool temperature during transit.

Sample Container(s)/Preservation Non-Compliances

All comparisons are made against pretreatment/preservation AS, APHA, USEPA standards.

| Method Sample ID | Sample Container Received | Preferred Sample Container for Analysis |
|------------------------------------|----------------------------------|---|
| Total Algae Count : MB010-3 | | |
| Murray Mouth | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| US Tauwichee | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| DS Tauwichee | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Mark Point | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Long Point | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Noonameena | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Bonneys | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| McGrath Flat North | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Parnka Point | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Villa du Yumpa | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Stony Well | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| North Jacks Point | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Seagull Island | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Snipe Point | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Morella Basin @ Outlet Regulator | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Morella Creek @ Guage | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Salt Creek Outlet | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| 1.8km West of Salt Creek | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| 3.2km South of Salt Creek (Land) | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Tilley Swamp D/S Nth Outlet | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |
| Tilley Swamp Watercourse Outlet | - Plastic Bottle - Lugols Iodine | - White Plastic Bottle-Lugols Iodine |

Any sample identifications that cannot be displayed entirely in the analysis summary table will be listed below.

| | | |
|---------------|---------------------|------------------------------------|
| EM2116912-015 | : 24-Aug-2021 13:10 | : Morella Basin @ Outlet Regulator |
| EM2116912-016 | : 24-Aug-2021 12:50 | : Morella Creek @ Guage |
| EM2116912-018 | : 24-Aug-2021 12:30 | : 1.8km West of Salt Creek |
| EM2116912-019 | : 24-Aug-2021 12:25 | : 3.2km South of Salt Creek (Land) |
| EM2116912-020 | : 24-Aug-2021 15:20 | : Tilley Swamp D/S Nth Outlet |
| EM2116912-021 | : 24-Aug-2021 15:00 | : Tilley Swamp Watercourse Outlet |

Summary of Sample(s) and Requested Analysis

Some items described below may be part of a laboratory process necessary for the execution of client requested tasks. Packages may contain additional analyses, such as the determination of moisture content and preparation tasks, that are included in the package.

If no sampling time is provided, the sampling time will default 00:00 on the date of sampling. If no sampling date is provided, the sampling date will be assumed by the laboratory and displayed in brackets without a time component

Matrix: **WATER**

| Laboratory sample ID | Sampling date / time | Sample ID | WATER - ED037-P Alkalinity as CaCO ₃ (PCT) | WATER - EK071G Reactive Phosphorus by Discrete analyser | WATER - EP002 Dissolved Organic Carbon (DOC) | WATER - EP005 Total Organic Carbon (TOC) | WATER - EP008C Chlorophyll a, b, c and phaeophytin | WATER - MW024.T (BM010) Total Algae Count | WATER - NT-08-SW-MELB Total Nitrogen + NO ₂ + NO ₃ + NH ₃ + Total P - |
|----------------------|----------------------|--------------------|--|--|---|---|---|--|---|
| EM2116912-001 | 25-Aug-2021 13:30 | Murray Mouth | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-002 | 25-Aug-2021 10:15 | US Tauwichee | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-003 | 25-Aug-2021 10:15 | DS Tauwichee | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-004 | 25-Aug-2021 09:40 | Mark Point | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-005 | 25-Aug-2021 08:50 | Long Point | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-006 | 25-Aug-2021 08:15 | Noonameena | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-007 | 25-Aug-2021 07:55 | Bonneys | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-008 | 25-Aug-2021 07:20 | McGrath Flat North | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-009 | 24-Aug-2021 15:40 | Parnka Point | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-010 | 24-Aug-2021 14:50 | Villa du Yumpa | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-011 | 24-Aug-2021 14:15 | Stony Well | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |



| | | | WATER - ED037-P Alkalinity as CaCO3 (PCT) | WATER - EK071G Reactive Phosphorus by Discrete analyser | WATER - EP002 Dissolved Organic Carbon (DOC) | WATER - EP005 Total Organic Carbon (TOC) | WATER - EP008C Chlorophyll a, b, c and phaeophytin | WATER - MW024-T (BM010) Total Algae Count | WATER - NT-08-SW-MELB Total Nitrogen + NO2 + NO3 + NH3 + Total P - |
|---------------|-------------------|-------------------------|--|--|---|---|---|--|---|
| EM2116912-012 | 24-Aug-2021 13:30 | North Jacks Point | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-013 | 24-Aug-2021 13:10 | Seagull Island | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-014 | 24-Aug-2021 12:45 | Snipe Point | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-015 | 24-Aug-2021 13:10 | Morella Basin @ Outl... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-016 | 24-Aug-2021 12:50 | Morella Creek @ Guage | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-017 | 24-Aug-2021 12:15 | Salt Creek Outlet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-018 | 24-Aug-2021 12:30 | 1.8km West of Salt C... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-019 | 24-Aug-2021 12:25 | 3.2km South of Salt ... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-020 | 24-Aug-2021 15:20 | Tilley Swamp D/S Nth... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EM2116912-021 | 24-Aug-2021 15:00 | Tilley Swamp Waterco... | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Matrix: **WATER**

| Laboratory sample ID | Sampling date / time | Sample ID | WATER - EA015H Total Dissolved Solids - Standard Level | WATER - EA045 Turbidity | WATER - ED045G Chloride by Discrete Analyser | WATER - EG052G Silica - Reactive |
|----------------------|----------------------|-------------------------|---|----------------------------|---|-------------------------------------|
| EM2116912-001 | 25-Aug-2021 13:30 | Murray Mouth | ✓ | ✓ | ✓ | ✓ |
| EM2116912-002 | 25-Aug-2021 10:15 | US Tauwitchere | ✓ | ✓ | ✓ | ✓ |
| EM2116912-003 | 25-Aug-2021 10:15 | DS Tauwitchere | ✓ | ✓ | ✓ | ✓ |
| EM2116912-004 | 25-Aug-2021 09:40 | Mark Point | ✓ | ✓ | ✓ | ✓ |
| EM2116912-005 | 25-Aug-2021 08:50 | Long Point | ✓ | ✓ | ✓ | ✓ |
| EM2116912-006 | 25-Aug-2021 08:15 | Noonameena | ✓ | ✓ | ✓ | ✓ |
| EM2116912-007 | 25-Aug-2021 07:55 | Bonneys | ✓ | ✓ | ✓ | ✓ |
| EM2116912-008 | 25-Aug-2021 07:20 | McGrath Flat North | ✓ | ✓ | ✓ | ✓ |
| EM2116912-009 | 24-Aug-2021 15:40 | Parnka Point | ✓ | ✓ | ✓ | ✓ |
| EM2116912-010 | 24-Aug-2021 14:50 | Villa du Yumpa | ✓ | ✓ | ✓ | ✓ |
| EM2116912-011 | 24-Aug-2021 14:15 | Stony Well | ✓ | ✓ | ✓ | ✓ |
| EM2116912-012 | 24-Aug-2021 13:30 | North Jacks Point | ✓ | ✓ | ✓ | ✓ |
| EM2116912-013 | 24-Aug-2021 13:10 | Seagull Island | ✓ | ✓ | ✓ | ✓ |
| EM2116912-014 | 24-Aug-2021 12:45 | Snipe Point | ✓ | ✓ | ✓ | ✓ |
| EM2116912-015 | 24-Aug-2021 13:10 | Morella Basin @ Outl... | ✓ | ✓ | ✓ | ✓ |
| EM2116912-016 | 24-Aug-2021 12:50 | Morella Creek @ Guage | ✓ | ✓ | ✓ | ✓ |
| EM2116912-017 | 24-Aug-2021 12:15 | Salt Creek Outlet | ✓ | ✓ | ✓ | ✓ |
| EM2116912-018 | 24-Aug-2021 12:30 | 1.8km West of Salt C... | ✓ | ✓ | ✓ | ✓ |
| EM2116912-019 | 24-Aug-2021 12:25 | 3.2km South of Salt ... | ✓ | ✓ | ✓ | ✓ |
| EM2116912-020 | 24-Aug-2021 15:20 | Tilley Swamp D/S Nth... | ✓ | ✓ | ✓ | ✓ |



| | | | | | | |
|---------------|-------------------|-------------------------|---|----------------------------|---|-------------------------------------|
| | | | WATER - EA015H Total Dissolved Solids - Standard Level | WATER - EA045 Turbidity | WATER - ED045G Chloride by Discrete Analyser | WATER - EG052G Silica - Reactive |
| EM2116912-021 | 24-Aug-2021 15:00 | Tilley Swamp Waterco... | ✓ | ✓ | ✓ | ✓ |

Proactive Holding Time Report

The following table summarises breaches of recommended holding times that have occurred prior to samples/instructions being received at the laboratory.

Matrix: **WATER**

Evaluation: ✗ = Holding time breach ; ✓ = Within holding time.

| Method Client Sample ID(s) | Container | Due for extraction | Due for analysis | Samples Received | | Instructions Received | |
|-------------------------------|--------------------------------|-----------------------|---------------------|------------------|------------|-----------------------|------------|
| | | | | Date | Evaluation | Date | Evaluation |
| MB010-3: Total Algae Count | | | | | | | |
| 1.8km West of Salt Creek | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| 3.2km South of Salt Creek | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Bonneys | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| DS Tauwicheere | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Long Point | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Mark Point | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| McGrath Flat North | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Morella Basin @ Outlet | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Morella Creek @ Gully | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Noonameena | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| North Jacks Point | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Parnka Point | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Salt Creek Outlet | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Seagull Island | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Snipe Point | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Stony Well | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Tilley Swamp D/S North | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Tilley Swamp Watercourse | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| US Tauwicheere | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |
| Villa du Yumpa | Plastic Bottle - Lugols Iodine | ---- | 25-Aug-2021 | 26-Aug-2021 | ✗ | ---- | ---- |

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