# Waterwatch

## Water Quality Data Form

Site: DEL ME_DEL 300
Elster Creek

Date: 29/10/23

10-27 Thur.

Monitoring group: Elster Ck

Time: 9:30

Persons monitoring: Juliaine Robyn Natalie

**Circumstantial Hazard or Additional Risks**

Hazard:

Risk:

**Safety Check**

Has anything changed at your site recently?

Are there extreme weat conditions?

Any animals or insects nearby that pose a risk?

ZERO HARM

Risk Control Measures:

| Parameter | | Reading |
|---|---|---|
| Ammonium | | 0.09 mg / L |
| Dissolved Oxygen | (Use data portal to auto calculate % saturation) | 5 mg / L |
| Water Temperature | | 14 °C |
| Air Temperature | | 14.5 °C |
| pH | ☑ Calibrated | 7.8 Unit |
| Electroconductivity | ☑ Calibrated 1420 | 1290 µS / cm |
| Phosphate | (for colorimeter use conversion on data portal, or divide by 0.326 to calculate PO4-P mg/L) | 0.175 mg / L |

# Waterwatch

(2) 29/10/23

| Parameter | | Reading |
|---|---|---|
| Turbidity | | < 10 NTU |
| Nitrate | | mg / L |

Comments:

# Waterwatch

Is water flowing from drain? ☐ n/a

Colour

Odour

**Litter Pollutants**

| | | | |
|---|---|---|---|
| __ Bottles | ✓ Plastic | ✓ Packets | Other: |
| __ Car bodies | __ Waxed cardboard | __ Petrol / diesel | |
| __ Oil | __ Cans | __ Polystyrene | |
| ✓ Paper | __ Clothing | | |

# Waterwatch

## Observations

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### Weather

Condition: ☑ Sunny ☐ Cloudy ☐ Overcast ☐ Raining ☐ Windy

### Rainfall

Last Rainfall: ☐ More than a week ago ☑ During the last week ☐ During the last 24 hours ☐ Raining now

Amount of rain (mm): 5mm

### Water Flow

Flow Indicator (ML/Day):

Estimate of flow: ☐ Flood / overbank ☐ Bankfull ☐ High ☐ Medium ☑ Low

### Water Appearance

☑ Clear ☐ Stained brown ☐ Stained green

☐ Scummy ☐ Muddy

Other:

☐ Smelly ☐ Milky

☐ Foamy / frothy ☐ Oily

Stream Depth: ☑ 0-50cm ☐ 51cm – 99cm ☐ 1m – 2m ☐ Other

Stream Width: ☐ <2m ☑ 2 – 5m ☐ >5m ☐ Other

### Drains

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# Macro-invertebrates data form

## Monitoring Group Information

**Monitoring site details**

Site code: ~~ME_DYW00~~ ME_DEL300 Elster Creek. ~~Chain of Ponds Soak 1.~~

Site description: Elster Creek

in mine recordy.

**Name of monitoring group**

Persons monitoring: Thianne, Natalie

Date and time of monitoring: 29 Oct.

## Macro-invertebrates

**Sample Type**

☐ Edge ☐ Riffle

**Please record your data below:**

| Common Name | Order | Bug Score | Abundance |
|---|---|---|---|
| | Very Sensitive Macro-invertebrates | | |
| Stonefly Nymph | Plecoptera | 8 | |
| Mayfly Nymph | Ephemeroptera | 7 | |
| Caddisfly Nymph | Trichoptera | 7 | |
| | Very Sensitive Macro-invertebrates | | |
| Toebiters/Dobsonflies | Megaloptera | 6 | |
| Damselfly Nymph | Odonata | 6 | 4. |
| Dragonfly Nymph | Odonata | 6 | |
| Freshwater Mussel | Class: Bivalvia | 5 | |
| Aquatic Caterpillars | Lepidoptera | 5 | |
| Freshwater Shrimp/Prawn | Decapoda | 5 | |
| Freshwater Yabby/Crayfish | Decapoda | 5 | |
| Water Mite | Acarina | 5 | |
| Freshwater Slater | Isopoda | 5 | |

Melbourne Water

healthy waterways **Waterwatch Program**

# Macro-invertebrates data form

| Common Name | Order | Bug Score | Abundance |
|---|---|---|---|
| **Tolerant Macro-invertebrates** | | | |
| Hydra | Hydrozoa | 4 | |
| Beetle Larvae | Coleoptera | 4 | |
| True Bugs (Backswimmers, Water Boatman, Water Strider) | Hemiptera | 4 | |
| Side Swimmer/Scud | Amphipoda | 4 | |
| Aquatic Beetles (Diving Beetles, Whirligig Beetles) | Coleoptera | 3 | |
| Round Worms | Nematoda | 3 | |
| Leech | Hirudinea | 3 | 1 |
| Freshwater Snails | Gastropoda | 3 | 12. |
| Flatworm | Turbellaria | 3 | |
| **[illegible]** | | | |
| Mosquito Larvae | Diptera | 2 | |
| Biting Midge Larvae | Diptera | 2 | |
| Fly Larvae | Diptera | 2 | |
| Segmented Worm | Oligochaeta | 1 | |
| Non Biting Midge (Bloodworms) | Diptera | 1 | 810 |
| | **TOTALS** | | |

**Overall Bug Rating**

☐ Very good ☐ Good ☐ Fair ☐ Poor

| | | | | |
|---|---|---|---|---|
| **Total Abundance** | 200+ | **Fair** | | **Very Good** |
| | 0-200 | **Poor** | | **Good** |
| | | 0-35 | **Total Bug Score** | 35+ |

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