

## Water Quality Data Form

Site: ME - DEL 300 Hester Creek

Date: 26 May 2024

Monitoring group: Hester Creek

Time: 2:40

Persons monitoring: Robyn, Anna, Julianne, Egi, Lechlair

### Circumstantial Hazard or Additional Risks

Hazard:

Risk:

Risk Control Measures:

### Safety Check

Has anything changed at your site recently?

Are there extreme weather conditions?

Any animals or insects nearby that pose a risk?



| Parameter           |   | Reading |         |
|---------------------|---|---------|---------|
| Ammonium            |   | 0.3     | mg / L  |
| Dissolved Oxygen    | (Use data portal to auto calculate % saturation)  | 4-5     | mg / L  |
| Water Temperature   |   | 9.5     | °C      |
| Air Temperature     |   | 7.8     | °C      |
| pH                  | <input type="checkbox"/> Calibrated   |         | Unit    |
| Electroconductivity | <input type="checkbox"/> Calibrated   | 1760    | µS / cm |
| Phosphate           | (for colorimeter use conversion on data portal, or divide by 0.326 to calculate PO4-P mg/L) | 0.225   | mg / L  |

# Waterwatch

| Parameter |  | Reading |        |
|-----------|--|---------|--------|
| Turbidity |  | 15      | NTU    |
| Nitrate   |  | ---     | mg / L |

Comments:

# Waterwatch Observations

Pg 2  
Eyster ck

## 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):

## Water Flow

Flow Indicator (ML/Day):

Estimate of flow:  Flood / overbank  Bankfull  High  
 Medium  Low

## Water Appearance

Clear  Stained brown  Stained green  
 Scummy  Muddy  
 Smelly  Milky  
 Foamy / frothy  Oily

Other:

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

Stream Width:  <2m  2 - 5m  >5m  Other

## Drains

# Waterwatch

Is water flowing from drain?

Colour

Odour

## Litter Pollutants

Bottles

Plastic

Packets

Car bodies

Waxed cardboard  Petrol / diesel

Oil

Cans

Polystyrene

Paper

Clothing

Other:





## Macro-Invertebrates data form

### Monitoring Group Information

#### Monitoring site details

Site code: **ME-DEL 200**  
 Site description: **Cister Creek**

#### Name of monitoring group

Persons monitoring: **Anna, Julianne**  
 Date and time of monitoring: **26 May 2024**

### 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         | 1         |
| 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         |           |





## Macro-invertebrates data sheet

| Common Name  | Order         | Bug Score | Abundance      |
|--|---------------|-----------|----------------|
| <b>Tolerant Macro-invertebrates</b>                    |               |           |                |
| Hydra  | Hydrozoa      | 4         |                |
| Beetle Larvae  | Coleoptera    | 4         |                |
| True Bugs (Backswimmers, Water Boatman, Water Strider) | Hemiptera     | 4         | 12+5+2<br>19   |
| Side Swimmer/Scud                                      | Amphipoda     | 4         |                |
| Aquatic Beetles (Diving Beetles, Whirligig Beetles)    | Coleoptera    | 3         |                |
| Round Worms  | Nematoda      | 3         |                |
| Leech  | Hirudinea     | 3         | 1+2            |
| Freshwater Snails                                      | Gastropoda    | 3         | 1              |
| Flatworm   | Turbellaria   | 3         | 1              |
| <b>Very Tolerant Macro-invertebrates</b>               |               |           |                |
| Mosquito Larvae  | Diptera       | 2         |                |
| Biting Midge Larvae                                    | Diptera       | 2         |                |
| Fly Larvae   | Diptera       | 2         |                |
| Segmented Worm   | Oligochaeta   | 1         | 4              |
| Non Biting Midge (Bloodworms)                          | Diptera       | 1         | <del>7</del> 8 |
|  | <b>TOTALS</b> |           |                |

**Overall Bug Rating**

Very good   
  Good   
  Fair   
  Poor

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