

Waterwatch

Water Quality Data Form

Site: ME-DEL 300 Elster Creek.

Date: 30/6/24

Monitoring group: YWNA.

Time: 10 am

Persons monitoring: Natalie, Taylor, Robyn, Julianne

Circumstantial Hazard or Additional Risks

Hazard:

Soft edges

Risk:

bogging

Risk Control Measures:

Not going in

Safety Check

Has anything changed at your site recently?

Are there extreme weat conditions?

Any animals or insects nearby that pose a risk?



Parameter	Reading
Ammonium	0.02 mg / L
Dissolved Oxygen (Use data portal to auto calculate % saturation)	* 6 mg / L
Water Temperature	9 °C
Air Temperature	10 °C
pH	7.9 Unit
Electroconductivity	480 µS / cm
Phosphate (for colorimeter use conversion on data portal, or divide by 0.326 to calculate PO4-P mg/L)	0.12 mg / L

Waterwatch

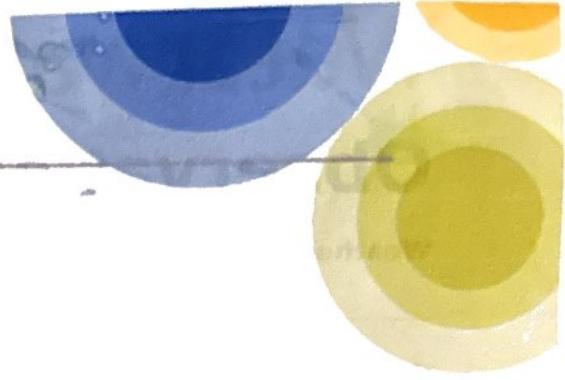
Parameter		Reading	
Turbidity		15 20	NTU
Nitrate			mg / L

Comments:

* O₂ measure may have been affected by the sample being carried by hand/shaken for 100 m.

[Faint, illegible text from the reverse side of the page is visible through the paper.]

Waterwatch



Is water flowing from drain?

Colour

Odour

n/a

Litter Pollutants

Bottles

Plastic

Packets

Other:

Car bodies

Waxed cardboard

Petrol / diesel

Oil

Cans

Polystyrene

Paper

Clothing

Waterwatch Observations



Weather

- Condition:
- | | | |
|---|--|--|
| <input type="checkbox"/> Sunny | <input checked="" type="checkbox"/> Cloudy | <input checked="" type="checkbox"/> Overcast |
| <input checked="" type="checkbox"/> Raining | <input checked="" type="checkbox"/> Windy | |

Rainfall

- Last Rainfall:
- | | |
|---|---|
| <input type="checkbox"/> More than a week ago | <input type="checkbox"/> During the last week |
| <input type="checkbox"/> During the last 24 hours | <input checked="" type="checkbox"/> Raining now |

Amount of rain (mm): *2.6mm*

Water Flow

Flow Indicator (ML/Day):

- Estimate of flow:
- | | | |
|---|-----------------------------------|--|
| <input type="checkbox"/> Flood / overbank | <input type="checkbox"/> Bankfull | <input checked="" type="checkbox"/> High |
| <input type="checkbox"/> Medium | <input type="checkbox"/> Low | <i>More Medium - High</i> |

Water Appearance

- | | | |
|--|---|--|
| <input type="checkbox"/> Clear | <input type="checkbox"/> Stained brown | <input checked="" type="checkbox"/> Stained green / grey |
| <input type="checkbox"/> Scummy | <input checked="" type="checkbox"/> Muddy | Other: <div style="border: 1px solid black; height: 40px; width: 100%;"></div> |
| <input checked="" type="checkbox"/> Smelly | <input checked="" type="checkbox"/> Milky | |
| <input type="checkbox"/> Foamy / frothy | <input type="checkbox"/> Oily | |

- Stream Depth:
- | | | | |
|--|--------------------------------------|----------------------------------|--------------------------------|
| <input checked="" type="checkbox"/> 0-50cm | <input type="checkbox"/> 51cm - 99cm | <input type="checkbox"/> 1m - 2m | <input type="checkbox"/> Other |
|--|--------------------------------------|----------------------------------|--------------------------------|

- Stream Width:
- | | | | |
|------------------------------|--|------------------------------|--------------------------------|
| <input type="checkbox"/> <2m | <input checked="" type="checkbox"/> 2 - 5m | <input type="checkbox"/> >5m | <input type="checkbox"/> Other |
|------------------------------|--|------------------------------|--------------------------------|

Drains



Macro-invertebrates data form

Monitoring Group Information

Monitoring site details

Site code: ME-DEZ 300 G

Site description: ELSTON Creek

Name of monitoring group

Persons monitoring: Natalie, Inianne, Taylor

Date and time of monitoring: 9.30 am 30 Dec

Macro-invertebrates

Sample Type

Edge Riffle

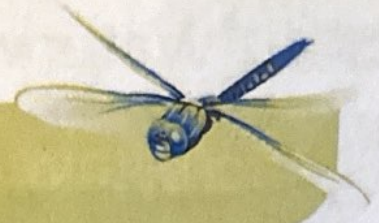
Please record your data below:

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	
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	

New species: Moth flies + Soldier Flies

Family: Psychodae + Stratimyidae

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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	9
Side Swimmer/Scud	Amphipoda	4	
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	
Round Worms	Nematoda	3	
Leech	Hirudinea	3	45
Freshwater Snails	Gastropoda	3	
Flatworm	Turbellaria	3	
Very Tolerant Macro-invertebrates			
Mosquito Larvae	Diptera	2	1
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	1
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms)	Diptera	1	
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+