

Waterwatch

Water Quality Data Form

Site: **ME DY002 SOAK 2.**
 Monitoring group: **ELSTER CREEK YWNA**
 Persons monitoring: **Anna, Egi, Robyn**

Date: **26 May 2024.**
 Time:

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?



Risk Control Measures:

Log in water to aid sampling

Parameter		Reading	
Ammonium		0.40	mg / L
Dissolved Oxygen	(Use data portal to auto calculate % saturation)	6	mg / L
Water Temperature		10.5	° C
Air Temperature		12.7	° C
pH	<input checked="" type="checkbox"/> <u>Calibrated</u>	7.8	Unit
Electroconductivity	<input type="checkbox"/> <u>Calibrated</u>	610	µS / cm
Phosphate	(for colorimeter use conversion on data portal, or divide by 0.326 to calculate PO4-P mg/L)	0.125	mg / L

Waterwatch

Parameter	Reading
Turbidity	< 10 NTU
Nitrate	mg / L

Comments:

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
Ammonia	
Dissolved Oxygen	
Water Temperature	
Air Temperature	
pH	
Electrical Conductivity	
Phosphate	



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Waterwatch Observations

Weather

- Condition:
- Sunny
 - Raining
 - Cloudy
 - Windy
 - Overcast

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
- SOAK*

Water Appearance

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

Other:

SOAK SHALLOWS where sample taken

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

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

Drains

Waterwatch

Observations



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
SOAK

Water Appearance

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

Other:

SOAK SHALLOWS where sample taken
Stream Depth: 0-50cm 51cm - 99cm 1m - 2m Other

SOAK
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:

Ammonium levels higher in soak
than in Elster Ck. BUT EC
was lower in SOAK2 than Elster Ck.



Macro-invertebrates data form

Monitoring Group Information

Monitoring site details

Site code: **ME-DY002** **Soak 2.**

Site description:

Name of monitoring group: **Rhianne, Anna, Egi, Rachlan**

Persons monitoring:

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	11.
Very Sensitive Macro-invertebrates			
Toebiters/Dobsonflies	Megaloptera	6	
Damselfly Nymph	Odonata	6	2.
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 form

Common Name	Order	Bug Score	Abundance
Tolerant Macro-invertebrates			
Hydra	Hydrozoa	4	
Beetle Larvae	Coleoptera	4	1
True Bugs (Backswimmers, Water Boatman, Water Strider)	Hemiptera	4	
Side Swimmer/Scud	Amphipoda	4	
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	# 17
Round Worms	Nematoda	3	
Leech	Hirudinea	3	
Freshwater Snails	Gastropoda	3	
Flatworm	Turbellaria	3	
Very Tolerant Macro-invertebrates			
Mosquito Larvae	Diptera	2	
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	5
Non Biting Midge (Bloodworms)	Diptera	1	15
	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+