

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: *YMR 1185*

Site description: *Merric Creek @ CERES*

Name of monitoring group: *Antonia College Year 4 students (X4 classes)*

Persons monitoring: *Julia Ciriello*

Date and time of monitoring: *2/5/22 at 11am*

Please record your data below:

Parameter	Reading	Comments
Air Temperature	19.3 °C	<i>@ 11:15am under trees</i>
Water Temperature	14.8 °C	
Turbidity	28 NTU	
pH	7.1 Unit	
Conductivity	680 µS / cm	
Dissolved Oxygen	8 mg / L	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.09 mg / L	
Ammonium	— mg / L	
Nitrate	— mg / L	

Observations and Notes:

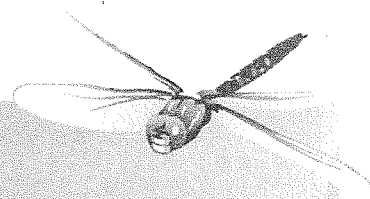
What has changed since last time you monitored? *Large rainfall event 2 days ago (30/4/22)*

What stands out about the site today?

Higher flow, litter on banks

Other observations:

around 11:30-12 sweet sewage like smell in area - very stinky!



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Waterway Information

Rate of flow:

- ☐ Very fast ☒ Fast ☐ Normal base flow ☐ Slow ☐ Trickle
☐ None ☐ Permanent ☐ Temporary ☐ Other

If 'Other', please specify:

Type of flow:

- ☐ Rising ☐ Steady ☒ Falling ☐ Peak ☐ Dry ☐ Pools / Puddles ☐ Other

If 'Other', please specify:

Waterway Appearance:

- ☐ Clear ☒ Muddy ☐ Smelly ☒ Frothy ☐ Scummy
☐ Oily ☐ Discoloured ☐ Milky ☐ Stained brown ☐ Other

If 'Other', please specify:

Waterway depth: _____ cm (0 to 3000cm)

Waterway width: _____ cm (0 to 100m)

Weather:

- ☒ Sunny ☒ Cloudy ☐ Overcast ☐ Showers ☐ Rain
☐ Hail ☐ Windy ☐ Foggy ☐ Other

If 'Other', please specify:

Last rainfall:

- ☐ Raining now ☐ Last 24hrs ☒ Last 3 days ☐ Last 7 days ☐ More than a week ago

Litter / Pollutants:

- ☐ Cans ☒ Paper ☐ Clothing ☐ Oil (m²)
☐ Food Packets ☒ Plastic ☐ Polystyrene ☐ Car bodies
☐ Waxed Cardboard ☒ Bottles ☐ Petrol/Diesel (m²) ☐ Other

If 'Other', please specify: