

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: YGR 023

Site description: Heron Pt

Name of monitoring group: BLSAC

Persons monitoring: S. Dempsey, John Shortridge, Xavier Thornton

Date and time of monitoring: 6-4-2024 + 5 Deakin students & guests.

Please record your data below:

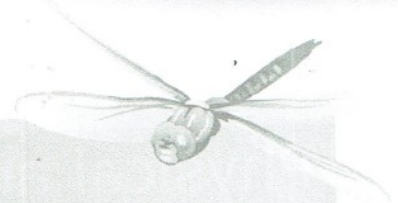
Parameter	Reading	Comments
Air Temperature	17 °C	
Water Temperature	16.5 °C	
Turbidity	40 NTU	
pH	6.8 Unit	
Conductivity	143 µS / cm	
Dissolved Oxygen	1.8 mg / L	25 % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>		
Ammonium	0.07 mg / L	
Nitrate		

Observations and Notes:

What has changed since last time you monitored? Rocks very muddy after floods, gravel & debris in water.

What stands out about the site today? Lack of water birds, & bush birds nearby.

Other observations: 2 black ducks on other side of lake.



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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: 1.5-2m cm (0 to 3000cm) *(over the pde)*
Waterway width: _____ m (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 (record no.): 75 mm.
floods 5 days ago.

- | | | | |
|--|--------------------------------|---|-----------------------------------|
| <u>1</u> Cans | <u>1</u> Paper | <u>1</u> Clothing | <u> </u> Oil (m ²) |
| <u>3</u> Food Packets, <i>lolly wrappers</i> | <u>1</u> Plastic <i>Bottle</i> | <u>4</u> Polystyrene <i>x 4</i> | <u> </u> Car bodies |
| <u> </u> Waxed Cardboard | <u> </u> Bottles | <u> </u> Petrol/Diesel (m ²) | <u> </u> Other (specify) |