

## Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

**Monitoring site details**

Site code: *YGR 006*

Site description: *Pobblebonk Point*

**Name of monitoring group**

Persons monitoring: *JS, EB, SW, SE, TA, SD.*

Date and time of monitoring: *10:15am 8-4-2018*

**Please record your data below:**

Parameter	Reading	Comments
Air Temperature	<i>20 °C</i>	
Water Temperature	<i>18.8 °C</i>	
Turbidity	<i>22 FTU<del>NTU</del></i>	
pH	<i>6.8 Unit</i>	
Conductivity	<i>µS / cm</i>	
Dissolved Oxygen	<i>0.9 mg / L</i>	<i>9 % Saturation</i>
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	<i>0.27 x 0.326 = 0.088 mg / L</i>	<i>DEGRADED! Sewage spill extending from Billabong B into lake.</i>
Ammonium	<i>0.04 mg / L</i>	
Nitrate	<i>mg / L</i>	

**Observations and Notes:**

What has changed since last time you monitored?

*Sewage spill - water very discoloured + smelly still.*

What stands out about the site today?

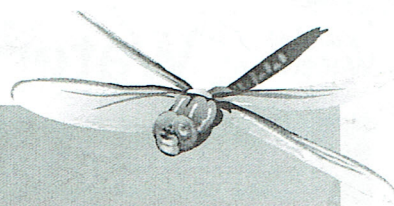
*No water in Vegemite Creek.*

Other observations: *2 chestnut teal (f) 1 coot*

*Monthly test delayed due to sewer spill March → April.*

*E.C. meter has died - new batteries tried, but still not working.*





## Physical and Chemical Analysis Data Form

### 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:

*none*

#### Waterway Appearance:

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

If 'Other', please specify:

*Almost black - sewage spill*

Waterway depth: 1150 cm (0 to 3000cm)

Waterway width: \_\_\_\_\_ m (0 to 100m)

#### Weather:

- Sunny     Cloudy     Overcast     Showers     Rain  
 Hail     Windy     Foggy     Other

If 'Other', please specify:

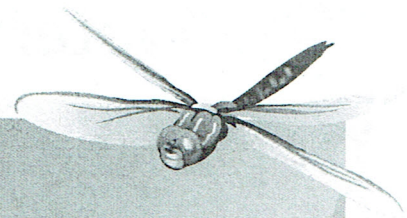
#### Last rainfall:

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

#### Litter / Pollutants (record no.):

- |                     |                                      |                                     |                           |
|---------------------|--------------------------------------|-------------------------------------|---------------------------|
| ___ Cans            | ___ Paper                            | ___ Clothing                        | ___ Oil (m <sup>2</sup> ) |
| ___ Food Packets    | ___ Plastic                          | ___ Polystyrene                     | ___ Car bodies            |
| ___ Waxed Cardboard | <u>3</u> Bottles<br><i>(plastic)</i> | ___ Petrol/Diesel (m <sup>2</sup> ) | ___ Other (specify)       |





## Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

**Monitoring site details**

Site code: *YGR 020*

Site description: *The Landing*

**Name of monitoring group**

Persons monitoring: *SD, EB, JS, SW, SE, TA.*

Date and time of monitoring: *11:00am 8-4-18*

**Please record your data below:**

Parameter	Reading	Comments
Air Temperature	<i>24</i> °C	
Water Temperature	<i>22.4</i> °C	
Turbidity	<i>30</i> <del><i>25</i></del> FTU NTU	
pH	<i>6.0</i> Unit	
Conductivity	µS / cm	
Dissolved Oxygen	<i>5.3</i> mg / L	<i>62% Saturation</i>
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	<i>0.03</i> mg / L <i>x 0.326</i> <i>= 0.00978</i>	
Ammonium	<i>0.0</i> mg / L	
Nitrate	mg / L	

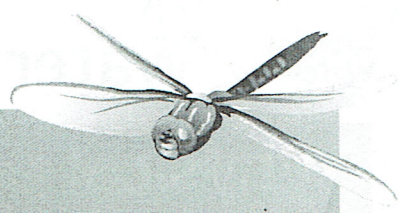
**Observations and Notes:**

What has changed since last time you monitored?

What stands out about the site today? *Water discoloured, dark, scummy*

Other observations: *4 Pacific Black ducks, 3 Chestnut Teal (2m, 1f) 2 Cool. Little Pied Cormorant.*





## Physical and Chemical Analysis Data Form

### 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:

*wind driven*

#### Waterway Appearance:

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

If 'Other', please specify:

*very dark brown & scummy*

Waterway depth: 800 cm (0 to 3000cm)

Waterway width: \_\_\_\_\_ m (0 to 100m)

#### Weather:

- Sunny     Cloudy     Overcast     Showers     Rain  
 Hail     Windy     Foggy     Other

If 'Other', please specify:

*wind rising*

#### Last rainfall:

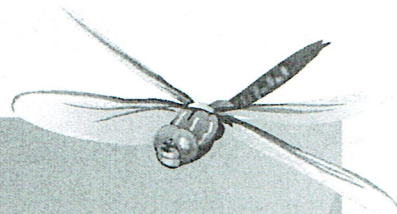
- Raining now     Last 24hrs     Last 3 days     Last 7 days     More than a week ago

#### Litter / Pollutants (record no.):

- |                     |                  |                                     |                           |
|---------------------|------------------|-------------------------------------|---------------------------|
| ___ Cans            | ___ Paper        | ___ Clothing                        | ___ Oil (m <sup>2</sup> ) |
| ___ Food Packets    | ___ Plastic      | ___ Polystyrene                     | ___ Car bodies            |
| ___ Waxed Cardboard | <u>2</u> Bottles | ___ Petrol/Diesel (m <sup>2</sup> ) | ___ Other (specify)       |

*plastic*





## Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

**Monitoring site details** YGR 013

Site code:

Site description: Heron Point

**Name of monitoring group** SD, JS, EB, SW, SE, TA.

Persons monitoring:

Date and time of monitoring: 11.20am 8.4.18

**Please record your data below:**

Parameter	Reading	Unit	Comments
Air Temperature	24	°C	
Water Temperature	21.8	°C	
Turbidity	22	FTU <del>NTU</del>	
pH	6.7	Unit	
Conductivity		µS / cm	
Dissolved Oxygen	5.9	mg / L	63 % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.0	mg / L	
Ammonium	0.02	mg / L	
Nitrate		mg / L	

### Observations and Notes:

What has changed since last time you monitored?

Water very deep - usual depth.

What stands out about the site today?

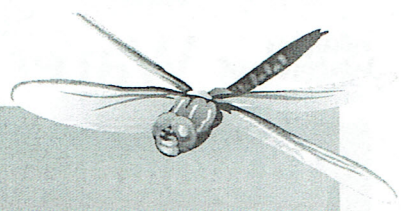
Water dark stained, fine debris in water around rocks.

Other observations:

1 cool 1 chestnut teal (m)

Sample water for EC in long tube





## Physical and Chemical Analysis Data Form

### Waterway Information

**Rate of flow:**

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

If 'Other', please specify:

*wind driven*

**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:

*fine debris in water around rocks, no mosquito fish visible*  
*water still dark*

Waterway depth: 1500+ ~~14500+~~ cm (0 to 3000cm)

Waterway width: \_\_\_\_\_ m (0 to 100m)

**Weather:**

- Sunny      Cloudy      Overcast      Showers      Rain  
 Hail      Windy      Foggy      Other

If 'Other', please specify:

*wind rising*

**Last rainfall:**

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

**Litter / Pollutants (record no.):**

- \_\_\_ Cans     \_\_\_ Paper     \_\_\_ Clothing     \_\_\_ Oil (m<sup>2</sup>)  
 \_\_\_ Food Packets     1 Plastic     1 Polystyrene     \_\_\_ Car bodies  
 \_\_\_ Waxed Cardboard     \_\_\_ Bottles     \_\_\_ Petrol/Diesel (m<sup>2</sup>)     ✓ Other (specify)

*Cigarette butts, polystyrene*