

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details 5-11-2017

Site code: YGR 006

Site description: Pobblebonk R.

Name of monitoring group

Persons monitoring: Su D, John Sh, Susan Wan, Steph-Eastman

Date and time of monitoring:

Please record your data below:

La Motte

Parameter	Reading	Unit	Comments
Air Temperature	18	°C	
Water Temperature	19.8	°C	
Turbidity	24	NTU	
pH	6.5 phenol red	Unit	7.7 chlorophenol. Redo
Conductivity	150	µS / cm	
Dissolved Oxygen	3.8	mg / L	45 % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.00	mg / L	
Ammonium Visicolour	0.15	mg / L	
Nitrate		mg / L	

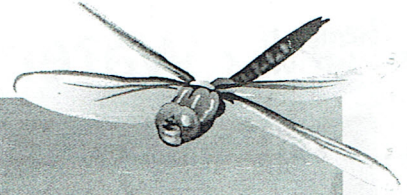
Observations and Notes:

What has changed since last time you monitored?

What stands out about the site today?

Other observations:

gang gangs x - grey sandails, pardalotes scrubwrens blue wrens
 Pair black ducks with 11 young



Physical and Chemical Analysis Data Form

Waterway Information

Rate of flow: *N/A.*

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

If 'Other', please specify:

Type of flow: *N/A.*

- 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: 1000 cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny Cloudy Overcast Showers Rain
 Hail Windy Foggy Other

If 'Other', please specify:

light wind

Last rainfall:

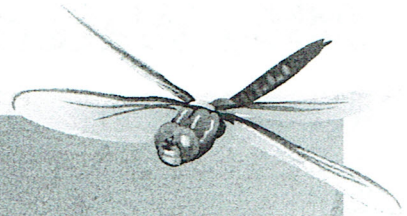
- Raining now Last 24hrs Last 3 days Last 7 days More than a week ago
2.5 mm *6mm.*

Litter / Pollutants (record no.):

- | | | | |
|---------------------|-------------|---|---------------------------|
| ___ Cans | ___ Paper | ___ Clothing | ___ Oil (m ²) |
| ___ Food Packets | ___ Plastic | <input checked="" type="checkbox"/> Polystyrene | ___ Car bodies |
| ___ Waxed Cardboard | ___ Bottles | ___ Petrol/Diesel (m ²) | ___ Other (specify) |

packaging wrap

Litter minimal of usual.



Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details 5-11-2017

Site code: YGR 020

Site description: The Landing

Name of monitoring group

Persons monitoring: Du D, John E, Steph E, Susan Wan.

Date and time of monitoring:

Please record your data below:

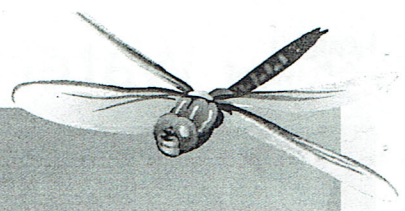
Parameter	Reading	Unit	Comments
Air Temperature	16.1	° C	
Water Temperature	18.2	° C	
Turbidity	17	NTU	
pH	6.5 phenol red	Unit	7.5 chlorophenol red
Conductivity	140	µ S / cm	
Dissolved Oxygen	7.5	mg / L	82 % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.07 0.00	mg / L	
Ammonium	0.07	mg / L	
Nitrate		mg / L	

Observations and Notes:

What has changed since last time you monitored?

What stands out about the site today?

Other observations:



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:

Waterway Appearance:

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

If 'Other', please specify:

Waterway depth: 900 cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny Cloudy Overcast Showers Rain
 Hail Windy Foggy Other

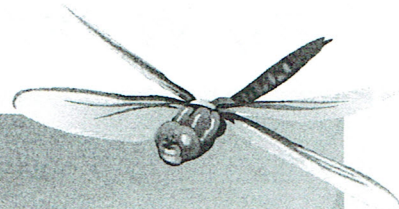
If 'Other', please specify:

Last rainfall:

- Raining now Last 24hrs Last 3 days Last 7 days More than a week ago
- 2.5 mm 6 mm

Litter / Pollutants (record no.):

- | | | | |
|--|-------------|-------------------------------------|---------------------------|
| <input checked="" type="checkbox"/> Cans | ___ Paper | ___ Clothing | ___ Oil (m ²) |
| ___ Food Packets | ___ Plastic | ___ Polystyrene | ___ Car bodies |
| ___ Waxed Cardboard | ___ Bottles | ___ Petrol/Diesel (m ²) | ___ Other (specify) |



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

Persons monitoring:

Su D, John Sh, Susan Wan, Steph. Ear

Date and time of monitoring:

5-11-2017

Please record your data below:

La Motte

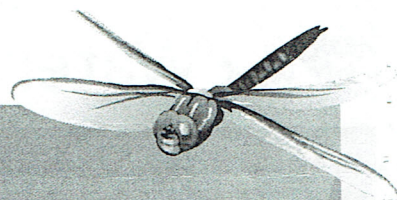
Parameter	Reading	Comments
Air Temperature	15 °C	
Water Temperature	19.1 °C	
Turbidity	22 NTU	
pH	6.8 Unit	
Conductivity	140 μ S / cm	
Dissolved Oxygen	7.8 mg / L	87 % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.00 mg / L	
Ammonium	0.07 mg / L	
Nitrate	mg / L	

Observations and Notes:

What has changed since last time you monitored?

What stands out about the site today?

Other observations:



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:

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: _____ 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 ²) |
| ___ Food Packets | ___ Plastic | ___ Polystyrene | ___ Car bodies |
| ___ Waxed Cardboard | ___ Bottles | ___ Petrol/Diesel (m ²) | ___ Other (specify) |

YAR006

YAR020

YAR023

5/11/2017



Waterwatch Program

Field Data Form

<p>(10)</p> <p>Mainly undisturbed native vegetation. No signs of site alteration.</p>	<p>(8) ^{9 8} 8</p> <p>Mainly native vegetation. Little disturbance or no signs of recent site disturbance.</p>	<p>(6)</p> <p>Medium cover, mixed native / introduced. Or one side cleared, the other undisturbed.</p>	<p>(4)</p> <p>Introduced ground cover, little native under storey or over storey, predominantly introduced vegetation.</p>	<p>(2)</p> <p>Introduced ground cover with lots of bare ground, occasional tree. Also includes sites with concrete lined channels.</p>
<p>(10)</p> <p>Mainly undisturbed native vegetation on both sides of stream. Verge more than 30m wide.</p>	<p>(8) ^{9 7 7} 7</p> <p>Well-vegetated wide verge corridor. Mainly undisturbed native vegetation on both sides of stream; some introduced or reduced cover of native vegetation.</p>	<p>(6)</p> <p>Wide corridor of mixed native and exotics, or one side cleared, and other wide corridor of native vegetation.</p>	<p>(4)</p> <p>Very narrow corridor of native or introduced vegetation.</p>	<p>(2)</p> <p>Bare cover or introduced grass cover such as pastureland.</p>
<p>(10)</p> <p>Abundant cover. Frequent snags, logs or boulders with extensive areas of in-stream, aquatic vegetation and overhanging bank.</p>	<p>(8) ^{9 8 8} 8</p> <p>A good cover of snags, logs or boulders, with considerable areas of in-stream and overhanging vegetation.</p>	<p>(6)</p> <p>Some snags or boulders present and / or occasional areas of in-stream or overhanging vegetation.</p>	<p>(4)</p> <p>Only slight cover. The stream is largely cleared, with occasional snags and very little in-stream vegetation. Generally no overhanging vegetation.</p>	<p>(2)</p> <p>No cover. No snags, boulders submerged or overhanging vegetation. No undercut banks. Site may have rock or concrete lining.</p>
<p>(5)</p> <p>Stable; no erosion / Sedimentation evident. No undercutting of banks, usually gentle bank slopes, lower banks covered with root mat grasses, reeds or shrubs.</p>	<p>(4) ^{5 5} 5</p> <p>Only spot erosion occurring. Little undercutting of bank, good vegetation cover, usually gentle bank slopes, no significant damage to bank structure.</p>	<p>(3)</p> <p>Localised erosion evident. A relatively good vegetation cover. No continuous damage to bank structure or vegetation.</p>	<p>(2)</p> <p>Significant active erosion evident especially during high flows. Unstable, extensive areas of bare banks, little vegetation cover.</p>	<p>(1)</p> <p>Extensive or almost continuous erosion. Over 50% of banks have some form of erosion; very unstable with little vegetation cover.</p>
<p>(5)</p> <p>Wide variety of habitats. Riffles and pools present of varying depths. Bends present. Good</p>	<p>(4)</p> <p>Good variety of habitats - e.g., riffles and pools or bends and pools. Variation in depth of riffle and pool.</p>	<p>(3) ^{3 3} 3</p> <p>Some variety of habitats - e.g., occasional riffle or bend. Some variation in depth.</p>	<p>(2)</p> <p>Only slight variety of habitat. All riffle or pool with only slight variation in depth. Very poor</p>	<p>(1)</p> <p>Uniform habitat. Straight stream, all shallow riffle or pool of uniform depth - e.g.; channeled stream or irrigation channel.</p>



Habitat Data Form

Observation Information

Monitoring site details

Site code:

Site description:

Name of monitoring group

Persons monitoring:

Date and time of monitoring:

YGR 010

YGR 006

YGR 023

Habitat Assessment

Bank vegetation:	<u>8</u>	<u>9</u>	(0-10)	$ \begin{array}{r} 8 \\ 9 \\ 8 \\ 5 \\ 3 \\ \hline 33 \end{array} $
Verge vegetation:	<u>7</u>	<u>7</u>	(0-10)	
In-stream cover:	<u>9</u>	<u>8</u>	(0-10)	
Bank erosion and stability:	<u>5</u>	<u>1</u>	(0-5)	
Riffles, pools and bends:	<u>3</u>	<u>3</u>	(0-5)	
Final Habitat Score:	<u>32</u>	<u>28</u>	(Add your scores)	33

Score	Definition
Excellent (36-40)	Site in natural or virtually natural condition; excellent habitat condition.
Good (29-35)	Some alteration from natural state; good habitat conditions.
Fair (20-28)	Significant alteration from the natural state but still offering moderate habitat; stable.
Poor (12-19)	Significant alterations from the natural state, with reduced habitat value; may have erosion or sedimentation problems.
Degraded (8-11)	Very degraded, often with severe erosion or sedimentation problems.