

Physical and Chemical Analysis Data Form

Chems ~~only~~
and Macros

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details 0.06

Site code:

Site description: Pobblebank

Name of monitoring group

Persons monitoring: Elaine, Su, Thawshi, John B. Anne

Date and time of monitoring: 30.1.16 9.45

Please record your data below:

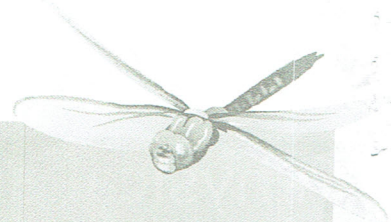
Parameter	Reading	Unit	Comments
Air Temperature	16-9	°C	
Water Temperature	17.1	°C	
Turbidity	50 FTU	NTU	70 (from JB)
pH	6.7	Unit	
Conductivity	120	µS / cm	
Dissolved Oxygen	4.0	mg / L	44% % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.00	mg / L	
Ammonium	0.07	mg / L	
Nitrate		mg / L	

Observations and Notes:

What has changed since last time you monitored? *Cumbungi: 'bud' prolific.*

What stands out about the site today? *Paperbark has come down (almost) midstream.
Litter considerable.*

Other observations:
*Weather has been cooler for a few days 2- plants greener.
2 Pacific bl ducks Blackberries beginning to become prolific near bridge (between log 2-bridge)
Ducky moorhen*



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:

flowing back slightly

Waterway Appearance:

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

If 'Other', please specify:

cloudy & leaf litter

Waterway depth: 1.2 cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny Cloudy Overcast Showers Rain
 Hail Windy Foggy Other

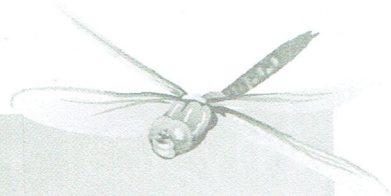
If 'Other', please specify:

Last rainfall:

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

Litter / Pollutants (record no.):

- | | | | |
|---------------------|--|---|---------------------------|
| ___ Cans | <input checked="" type="checkbox"/> Paper <i>///</i> | ___ Clothing | ___ Oil (m ²) |
| ___ Food Packets | <input checked="" type="checkbox"/> Plastic <i>bottles</i> | <input checked="" type="checkbox"/> Polystyrene <i>////</i> | ___ 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: 020

Site description: Landing

Name of monitoring group

Persons monitoring: ELAINE, SU, THANUSHI, JOHN B, ANNE, JOHN S

Date and time of monitoring: 30/1/16 10.20

Please record your data below:

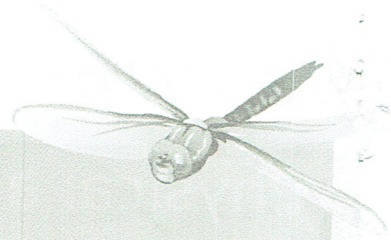
Parameter	Reading	Unit	Comments
Air Temperature	16.9	°C	
Water Temperature	19.9	°C	
Turbidity	17 FTU	NTU	18 (JB)
pH	6.5	Unit	
Conductivity	140	µS / cm	
Dissolved Oxygen	4.0	mg / L	(2.8 LaMotte) % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.32 (x 0.326 = 0.10)	mg / L	
Ammonium	0.02	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:

LOW

Type of flow:

- Rising Steady Falling Peak Dry Pools / Puddles Other

If 'Other', please specify:

WIND-DRIVEN TOWARDS FRIENDS BRIDGE

Waterway Appearance:

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

If 'Other', please specify:

GREY-GREEN

Waterway depth: 95 cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny Cloudy Overcast Showers Rain
 Hail Windy Foggy Other

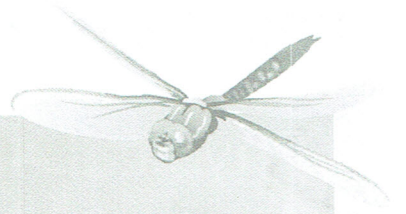
If 'Other', please specify:

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) |



Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: 023

Site description: HERON POINT

Name of monitoring group

ELAINE, SU, THANUSH, JOHN B, ANNE, JOHNS

Persons monitoring:

Date and time of monitoring:

30/1/10

11:50

Please record your data below:

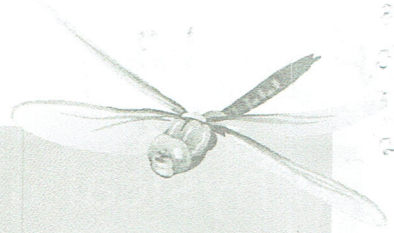
Parameter	Reading	Comments
Air Temperature	16.3 °C	
Water Temperature	20.3 °C	
Turbidity	14 18 NTU	(18 from JTB)
pH	6.8 Unit	
Conductivity	140 µS / cm	
Dissolved Oxygen	4.0 mg / L	(2.1 from LaMotte) 49% Saturation 55%
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.41 $(\times 0.326 = 0.13)$	
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:

GREY-GREEN

Waterway depth: 1600 cm (0 to 3000cm)

Waterway width: 6.0 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 (m²)
___ Food Packets ___ Plastic ___ Polystyrene ___ Car bodies
___ Waxed Cardboard ___ Bottles ___ Petrol/Diesel (m²) ___ Other (specify)

Feb 2016



Macro-invertebrates Data Form

Monitoring Group Information

Monitoring site details

Site code:

4GR 006

Site description:

Name of monitoring group

Persons monitoring:

Anne P, E.B. Sed, Thanoski, John B

Date and time of monitoring:

30-1-2016

Macro-invertebrates

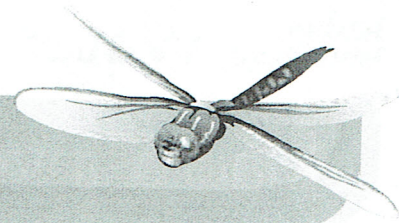
Sample Type

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	2
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



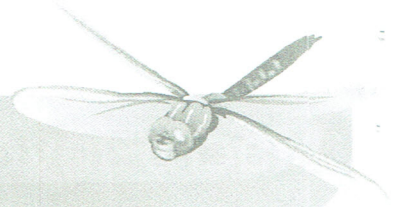
Common Name	Order	Bug Score	Abundance
Tolerant Macro-invertebrates			
Hydra	Hydrozoa	4	
Beetle Larvae	Coleoptera	4	
True Bugs (Backswimmers, Water Boatman, Water Strider)	Hemiptera	4	6+
Side Swimmer/Scud	Amphipoda	4	
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	
Round Worms	Nematoda	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	
Non Biting Midge (Bloodworms)	Diptera	1	1
	TOTALS	18	12+

Mosquito fish

lots -

Overall Bug Rating

Total abundance	Total bug score	
	0-35	35+
0-200	18	
12+	Poor	Good
200+	Fair	Very good



Macro-invertebrates Data Form

Monitoring Group Information

Monitoring site details

Site code: YGR 023

Site description:

Name of monitoring group

30-1-2016

Persons monitoring:

Date and time of monitoring: AP, EB, John B, SoD, Thanush

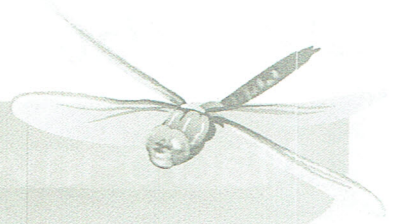
Macro-invertebrates

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	6
Sensitive Macro-invertebrates			
Toebiters/Dobsonflies	Megaloptera	6	
Damselfly Nymph	Odonata	6	
Dragonfly Nymph	Odonata	6	
Freshwater Mussel	Class: Bivalvia	5	
Aquatic Caterpillars	Lepidoptera	5	
Freshwater Shrimp/Prawn	Decapoda	5	20+
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	
True Bugs (Backswimmers, Water Boatman, Water Strider)	Hemiptera	4	lots. 50+.
Side Swimmer/Scud	Amphipoda	4	
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	
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	
Non Biting Midge (Bloodworms)	Diptera	1	1
	TOTALS	17	80+.

Overall Bug Rating

Total abundance	Total bug score	
	0-35	35+
0-200	17	Good
200+	Poor	Very good
	Fair	