

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code:

YGR 006

Site description:

Pebble bank Pt

Name of monitoring group

Persons monitoring:

EB, SaD, Susan Wan. ~~John St.~~

Date and time of monitoring:

2.10.17 10.45am

Please record your data below:

La Motte.

Parameter	Reading	Comments
Air Temperature	14° °C	
Water Temperature	16° °C	
Turbidity	25 NTU	
pH	6.4 Unit	Phenol Red -
Conductivity	190 μS / cm	
Dissolved Oxygen	2.8 mg / L	30 % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.03 mg / L	
Ammonium	0.09 mg / L	
Nitrate	mg / L	

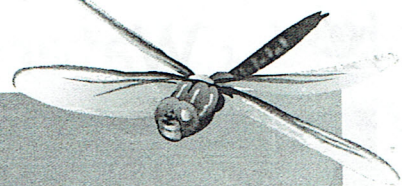
Observations and Notes:

What has changed since last time you monitored?

What stands out about the site today?

Other observations:

2 avocet marshes.



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:

Quite a lot of pollen.

Waterway depth: 1000 cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny Cloudy Overcast Showers Rain
 Hail Windy Foggy Other

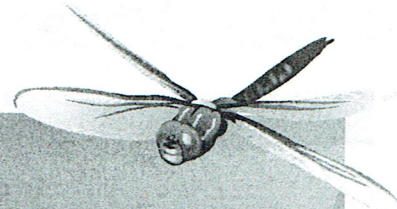
If 'Other', please specify:

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 | <input checked="" type="checkbox"/> Plastic <i>bottle</i> | ___ 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 020*

Site description: *The Landing*

Name of monitoring group

Persons monitoring: *Su Dempsey Susan Wan Elaine Boucher*

Date and time of monitoring: *2-10-17 11:45 am*

Please record your data below:

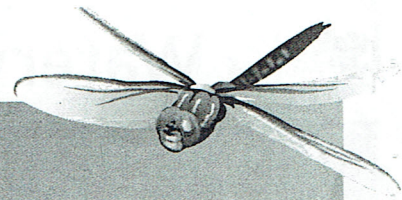
Parameter	Reading	Unit	Comments
Air Temperature	<i>13</i>	° C	
Water Temperature	<i>16.9</i>	° C	
Turbidity	<i>19</i>	NTU	
pH	<i>6.7</i>	Unit	<i>P.Red.</i>
Conductivity	<i>150</i>	µ S / cm	
Dissolved Oxygen	<i>7.8</i>	mg / L	<i>82%</i> % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	<i>0.11</i>	mg / L	
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?

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:

None

Waterway Appearance:

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

If 'Other', please specify:

greenish

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:

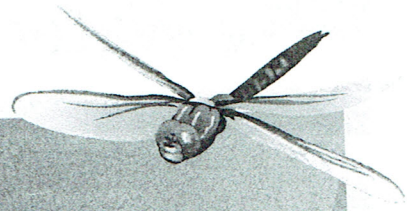
Last rainfall:

- 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) | <input checked="" type="checkbox"/> Other (specify) |

plastic ball



Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: *YGR 023*

Site description: *Heron Point*

Name of monitoring group

Persons monitoring: *Su Dempsey Susan Wan Elaine Boucher*

Date and time of monitoring: *2.10.17 12pm.*

Please record your data below:

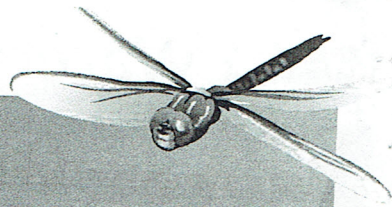
Parameter	Reading	Unit	Comments
Air Temperature	<i>15.0</i>	° C	
Water Temperature	<i>17.3</i>	° C	
Turbidity	<i>17</i>	NTU	
pH	<i>6.6</i>	Unit	<i>Ph. Red.</i>
Conductivity	<i>150</i>	µ S / cm	
Dissolved Oxygen	<i>10.0</i>	mg / L	<i>105</i> % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	<i>0.02</i>	mg / L	
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?

Other observations:



Physical and Chemical Analysis Data Form

Waterway Information

Rate of flow:

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

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:

Waterway depth: 1400 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:

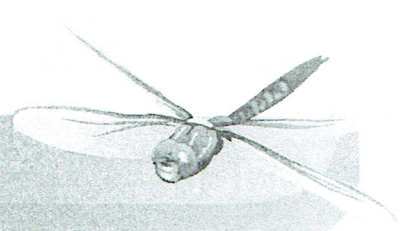
- Raining now
- Last 24hrs
- Last 3 days
- Last 7 days
- More than a week ago

Litter / Pollutants (record no.): *None!*

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

4 Pacific Black Ducks
1 Dusky Moorhen
2 Nankeen Night Heron
1 Eurasian Coot
1 Little Grebe

2 Wood Ducks



Macro-invertebrates Data Form

Monitoring Group Information

Monitoring site details

Site code: 006

Site description: ~~Pebblebank Point~~ ✓

Name of monitoring group: BLS

Persons monitoring: ~~Susan Wan, Elaine B., Anna~~ Susan Wan, Elaine B., Susan Wan

Date and time of monitoring: ~~3/9/17~~ 2/10/17

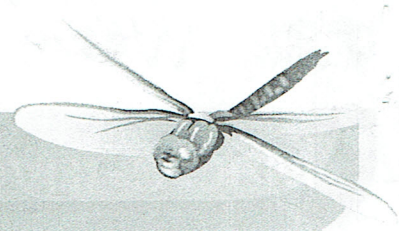
Macro-invertebrates

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	1
Sensitive Macro-invertebrates			
Toebiters/Dobsonflies	Megaloptera	6	
Damselfly Nymph	Odonata	6	1
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	



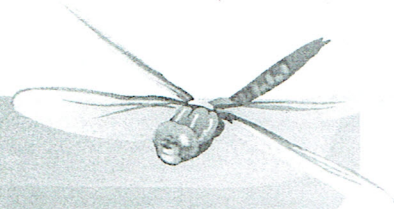
Macro-invertebrates Data Form

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	8
Side Swimmer/Scud	Amphipoda	4	
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	
Round Worms	Nematoda	3	
Leech	Hirudinea	3	
Freshwater Snails	Gastropoda	3	1
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		

Mosquito fish. ≈ 10

Overall Bug Rating

Total abundance		Total bug score	
		0-35	35+
0-200	12	21 Poor	Good
200+		Fair	Very good



Macro-invertebrates Data Form

Monitoring Group Information

Monitoring site details

Site code: YGR 023

Site description: Heron Pt.

Name of monitoring group

Persons monitoring: SUD, Elaine B, Susan Wan.

Date and time of monitoring: 2/10/17.

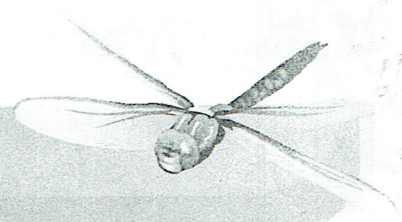
Macro-invertebrates

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	1 <i>Coluribaeid</i>
Caddisfly Nymph	Trichoptera	7	3
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	8
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	30
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	1
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms)	Diptera	1	2
	TOTALS		

Overall Bug Rating

Total abundance		Total bug score	
		0-35	35+
0-200	45	Poor 26	Good
200+		Fair	Very good