Waterwatch Program

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: YGR 003

Site description: Firebreak Bridge

Name of monitoring group

Persons monitoring: Su Dempsey.

Date and time of monitoring: 16/1/2017

NB Extra monitoring and sampling due to extremely milky water in Wetlands ponds to Billabong Br + Pebblebank Rt. Railway works??

Please record your data below:

Parameter	Reading		Comments	
Air Temperature	22	° C		
Water Temperature	17.3	° C		
Turbidity	269	FTU ~~NTU~~		
pH	7.0	Unit		
Conductivity	420	µ S / cm		
Dissolved Oxygen	not measured.	mg / L	—	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.00	mg / L		
Ammonium	Too milky to test.	mg / L		
Nitrate		mg / L		

Observations and Notes:

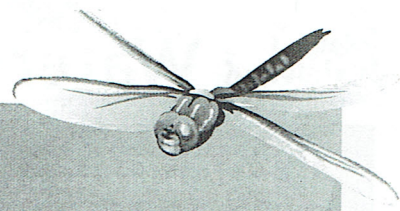What has changed since last time you monitored? One week ago – wetland ponds now very milky.

What stands out about the site today?

Other observations:

1

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
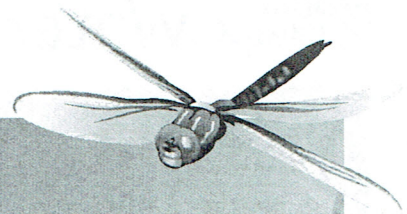☐ Hail ☐ Windy ☐ Foggy ☐ Other

If 'Other', please specify:

___

Last rainfall:
☐ Raining now ☐ Last 24hrs ☑ Last 3 days ☐ Last 7 days ☑ More than a week ago

9mm 14/1/17   58mm Dec 31ˢᵗ.

Litter / Pollutants (record no.):
__ Cans   __ Paper   __ Clothing   __ Oil (m²)
__ Food Packets   __ Plastic   __ Polystyrene   __ Car bodies
__ Waxed Cardboard __ Bottles   __ Petrol/Diesel (m²)   __ Other (specify)

State Government **Victoria**

Melbourne Water

Waterwatch Program

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details
Site code: —
Site description: Billabong Bridge — not normally sampled.

Name of monitoring group
Persons monitoring: Su D
Date and time of monitoring: 16-1-2017

Please record your data below:

Parameter	Reading	Comments
Air Temperature	23 °C	
Water Temperature	18.3 °C	
Turbidity	50 FTU NTU	
pH	6.8 Unit	
Conductivity	310 µS / cm	
Dissolved Oxygen	— mg / L	— % Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.07 x.326 = 0.023 mg / L	
Ammonium	0.5 mg / L	
Nitrate	mg / L	

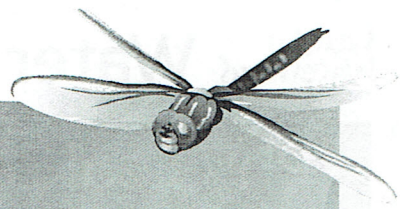### Observations and Notes:

What has changed since last time you monitored?

What stands out about the site today?

Other observations:

Melbourne Water

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
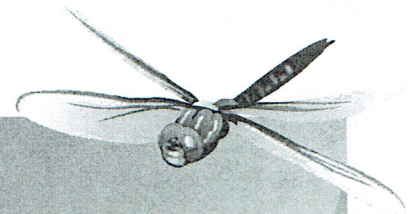☐ Hail ☐ Windy ☐ Foggy ☐ Other

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

Waterwatch Program

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: YGR 006

Site description:

Name of monitoring group

Persons monitoring: JJ Dempsey

Date and time of monitoring: 16 - 1 - 2017

Please record your data below:

Parameter	Reading		Comments	
Air Temperature	23	° C		
Water Temperature	19.1	° C		
Turbidity	40	FTU ~~NTU~~		
pH	6.7	Unit		
Conductivity	200	µ S / cm		
Dissolved Oxygen	—	mg / L	—	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.04 x .326 = 0.013	mg / L		
Ammonium	0.10	mg / L		
Nitrate		mg / L		

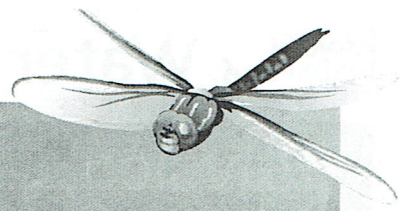### Observations and Notes:

What has changed since last time you monitored?

What stands out about the site today?

Other observations:

1

Waterwatch Program

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:
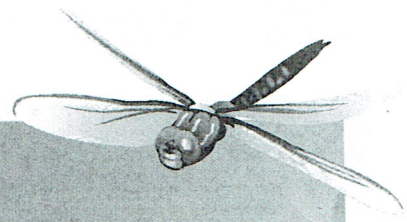
Last rainfall:
☐ Raining now ☐ Last 24hrs ☑ Last 3 days ☐ Last 7 days ☑ More than a week ago
9 mm   50 mm Dec 31 2016

Litter / Pollutants (record no.):

___ Cans   ___ Paper   ___ Clothing   ___ Oil (m²)
___ Food Packets ___ Plastic   ___ Polystyrene   ___ Car bodies
___ Waxed Cardboard ___ Bottles ___ Petrol/Diesel (m²) ___ Other (specify)

Waterwatch Program

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.

Date and time of monitoring: 16 - 1 - 2017.

Please record your data below:

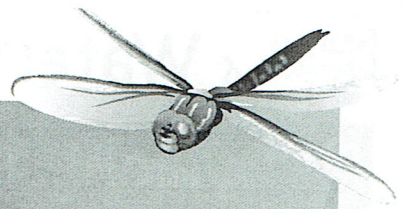| Parameter	Reading		Comments	
Air Temperature	23	° C		
Water Temperature	20.7	° C		
Turbidity	37	FTU ~~NTU~~		
pH	7.0	Unit		
Conductivity	170	µ S / cm		
Dissolved Oxygen	—	mg / L	—	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.0 0.04 ✗ .326 = 0.013	mg / L		
Ammonium	~~0.10~~ 0.01	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:

Waterwatch Program

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