

Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: 06
 Site description: Pobblebank Point

Name of monitoring group

Persons monitoring: Thomas, Elaine, Su, Anne
 Date and time of monitoring: 2.4.17 9.50am

Please record your data below:

La Motte

Parameter	Reading	Comments
Air Temperature	16.2 °C	
Water Temperature	14.5 °C	
Turbidity	16 FTU NTU	
pH	6.7 Unit	
Conductivity	180 µS/cm	
Dissolved Oxygen	1.5 - 2.3 mg/L	15% - 23% % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.01 x .326 mg/L	
Ammonium	visicolour * 0.4 mg/L	
Nitrate	mg/L	

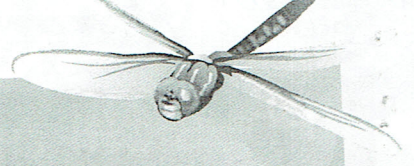
Observations and Notes:

What has changed since last time you monitored? Slight improvement in water appearance but still not the usual colour.

What stands out about the site today? Huge growth in cumbungi, etc. Lots of Magpies, no water birds.

Other observations: Litter evident since MW did a clean up on Wed, 2 pacific black ducks.

* EC!



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:

Waterway Appearance:

- Clear
- Oily

- Muddy
- Discoloured

- Smelly
- Milky

- Frothy
- Stained brown

- Scummy
- Other

If 'Other', please specify:

Slightly smelly Bubbly Dark brown Not as bubbly as last session.

Waterway depth: 1 m, cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny
- Hail

- Cloudy
- Windy

- Overcast
- Foggy

- Showers
- Other

- Rain

If 'Other', please specify:

Some sun!

Last rainfall:

- Raining now

- Last 24hrs

- Last 3 days

- Last 7 days

- More than a week ago

10 mm, 19 mm.

Litter / Pollutants (record no.):

- ___ Cans
- ___ Food Packets
- ___ Waxed Cardboard

- ___ Paper
- Plastic
- Bottles

- ___ Clothing
- Polystyrene
- ___ Petrol/Diesel (m²)

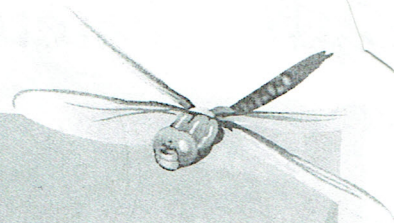
- ___ Oil (m²)
- ___ Car bodies
- ___ Other (specify)

plastic bottle.

Ring EPA 1300 372 842 - Bob.

#200063436 -

Call 9-5. to check up



Physical and Chemical Analysis Data Form

Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: 020
 Site description: The Landing

Name of monitoring group

Persons monitoring: Thomas, Su, Elaine, Anne
 Date and time of monitoring: 2.4.17 10.30am.

Please record your data below:

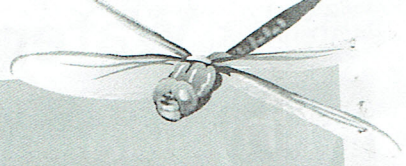
Parameter	Reading	Comments
Air Temperature	16.9 °C	
Water Temperature	16.0 °C	
Turbidity	25 FTU NTU	
pH	6.7 Unit	
Conductivity	150 µS/cm	
Dissolved Oxygen	1.7 - 2.0 mg/L	17% / 22% % Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.01 mg/L	
Ammonium	0.4 mg/L	
Nitrate	mg/L	

Observations and Notes:

What has changed since last time you monitored?
 Lake verge beside Landing seems to have eroded away considerably with a width of 1 1/2 metres.

What stands out about the site today?
 wind picking up - 7+ P/black ducks. 1 x Coot.
 Bank eroded badly - some sections have broken off into water.

Other observations:
 Habitat Assessment done - this site only



Physical and Chemical Analysis Data Form

Waterway Information

Rate of flow:

- Very fast
- None
- Fast
- Permanent

If 'Other', please specify:

- Normal base flow
- Temporary

- Slow
- Other
- Trickle

Type of flow:

- Rising
- Steady
- Falling

If 'Other', please specify:

- Peak
- Dry
- Pools / Puddles
- Other

Waterway Appearance:

- Clear
- Oily
- Muddy
- Discoloured

If 'Other', please specify:

- Smelly
- Milky
- Frothy
- Stained brown
- Scummy
- Other

Waterway depth: 750 cm (0 to 3000cm)

Waterway width: _____ m (0 to 100m)

Weather:

- Sunny
- Hail
- Cloudy
- Windy

If 'Other', please specify:

- Overcast
- Foggy
- Showers
- Other
- Rain

Last rainfall:

- Raining now
- Last 24hrs

Last 3 days
10 mm

Last 7 days
19 mm

More than a week ago

Litter / Pollutants (record no.):

- ___ Cans
- ___ Food Packets
- ___ Waxed Cardboard

N/A.
___ Paper
___ Plastic
___ Bottles

___ Clothing
___ Polystyrene
___ Petrol/Diesel (m²)

___ Oil (m²)
___ Car bodies
___ Other (specify)



Habitat Data Form

Observation Information

Monitoring site details

Site code:

YGR 020

Site description:

The Landing

Name of monitoring group

Persons monitoring:

Date and time of monitoring:

2/4/2017.

Habitat Assessment

Bank vegetation: 4 (0-10)
 Verge vegetation: 4 (0-10)
 In-stream cover: 4 (0-10)
 Bank erosion and stability: 0-1 (0-5)
 Riffles, pools and bends: _____ (0-5)
Final Habitat Score: 13 (Add your scores)

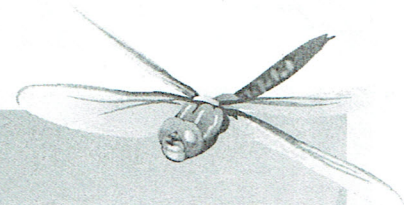
Poor.

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.



Habitat Data Form

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



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

Persons monitoring: Thomas S, Elaine Anne

Date and time of monitoring: 2.4.17

Please record your data below:

Parameter	Reading	Comments
Air Temperature	16.5 °C	
Water Temperature	17 °C	
Turbidity	30 NTU	
pH	6.5 Unit	
Conductivity	150 µS / cm	
Dissolved Oxygen <i>using 8 drops per bottle</i>	1.4 / 3.1 / 1.9 mg / L	16% / 34% / 20% Saturation
Phosphate <small>(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)</small>	0.00 mg / L	
Ammonium	0.40 mg / L	
Nitrate	mg / L	

Observations and Notes:

What has changed since last time you monitored?

DO. Inconsistent to normal readings.

What stands out about the site today?

Other observations:

