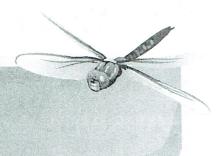
# Physical and Chemical Analysis Data Form



Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: 006

Site description: Poblebook P+

Name of monitoring group

Persons monitoring: Su Dempsey, Anne Payne, John Shortridge, Thoushi Peiris Date and time of monitoring: 7-1-18

#### Please record your data below:

Parameter	Reading		Comments
Air Temperature	21	° C	
Water Temperature	25.5	° C	
Turbidity	44	NTU	
pH & Seq!	PLR-6.5 CRR-OR-	Unit	Check of VC ALR
Conductivity	240	μS/cm	
Dissolved Oxygen	1.5	mg / L	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.08 × 0.3	mg / L	
Ammonium	The second secon	mg / L	
Nitrate		mg / L	

#### Observations and Notes:

What has changed since last time you monitored?

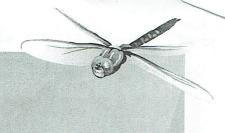
What stands out about the site today? Oily fum on water

Other observations:





# Physical and Chemical Analysis Data Form



Waterway Info	ormation	Pobblebonk	P+	006	Valent Melbr
Rate of flow:  Very fast  None  If 'Other', please sp	☐ Permanent	☑ Normal b ☐ Temporar		☐ Slow ☐ Other	☐ Trickle
Type of flow: ☐ Rising ☑ Start of 'Other', please span		☐ Peak	□ Dry	☐ Pools / Pudo	dles 🛘 Other
Waterway Appear Clear Oily If 'Other', please spen	☑ Muddy ☑ Discoloured ecify:	☐ Milky		☐ Frothy ☐ Stained brown	
Waterway depth Waterway width			m)		
Weather: ☐ Sunny ☐ Hail If 'Other', please spe	☐ Windy	☑ Overcast □ Foggy		☐ Showers ☐ Other	☐ Rain
Last rainfall:	☐ Last 24hrs	☐ Last 3 days		ast 7 davs	ore than a week ago
Significant floc Litter / Pollutan	oding 2 week	es ago (over	- 2m	above normal	(evel)
Cans Food Packets Waxed Cardboar	rd	Paper Plastic Bottles	Clot Poly Petr	hing Shalle very styrenepiece (m²)	_ Oil (m²) _ Car bodies _ Other (specify)
6 Pacific Da 1 Coot	ehs				





# AN 9

## Habitat Data Form

#### Observation Information

#### Monitoring site details

Site code: 006

Site description: Pobble bonk P+

## Name of monitoring group

Persons monitoring:

Date and time of monitoring: 7/1/18

#### Habitat Assessment

Bank vegetation:	6	(0-10)
Verge vegetation:	4	(0-10)
In-stream cover:	5	(0-10)
Bank erosion and stability:	3	(0-5)
Riffles, pools and bends:	3	(0-5)
Final Habitat Score:	21	(Add your scores)

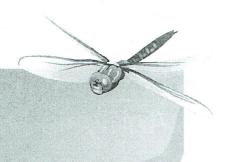
Excellent (36-40)	Site in natural or virtually natural condition; excellent habitat condition.
Good (29-35)	Some alteration from natural state; good habitat conditions.
Fair (20-28)	Significant alteration from the natural state but still offering moderate habitat; stable.
Poor (12-19)	Significant alterations 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.







# 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:

Date and time of monitoring:

7/1/18

## Please record your data below:

Parameter	Reading	Comments
Air Temperature	23.75 °C	
Water Temperature	26-3 26-3 °C	
Turbidity	46 NTU	
рН	7.0 Unit	
Conductivity	190 µs/cm	
Dissolved Oxygen	6.0 mg/L	% Saturation
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.05 × 0.326 = 0.0163	
Ammonium	O mg/L	
Nitrate	mg / L	

#### **Observations and Notes:**

What has changed since last time you monitored?

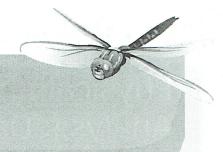
What stands out about the site today?

Other observations:





# Physical and Chemical Analysis Data Form



Waterway Infe	ormation				
Rate of flow:  Very fast  None  If 'Other', please sp	☐ Fast☐ Permanent Decify:	☑ Normal ba ☐ Temporary		☐ Slow☐ Other	☐ Trickle
Type of flow: ☐ Rising ☐ S If 'Other', please sp	teady 🗖 Falling pecify:	☐ Peak	□ Dry	Pools / Pud	dles 🗆 Other
Waterway Apper Clear Oily  If 'Other', please sproather bl	☐ Muddy ☐ Discoloured	☐ Smelly ☐ Milky		☐ Frothy ☐ Stained brown	☐ Scummy ☐ Other
Waterway dept Waterway widt	h: <u>800</u> h:	<b>cm</b> (0 to 3000cr <b>m</b> (0 to 100m)	n)		
Weather: ☐ Sunny ☐ Hail If 'Other', please sp	Cloudy Windy Decify:	Overcast Foggy		☐ Showers ☐ Other	☐ Rain
Last rainfall:	☐ Last 24hrs	☐ Last 3 days		Last 7 days ☑ N	More than a week ago
Litter / Pollutar  Cans Food Packets Waxed Cardbox	nts (record no.):  ard  Paeific Black	Paper 10 Plastic 5 Bottles	5 Poly	thing ystyrene rol/Diesel (m²)	Oil (m²) Car bodies Other (specify)







## Haleitel Data Form

## Monitoring site details

Site code: 020

Site description: The Louding

## Name of monitoring group

Persons monitoring:

Date and time of monitoring: 7/1/18

 Bank vegetation:
 6
 (0-10)

 Verge vegetation:
 6
 (0-10)

 In-stream cover:
 14
 (0-10)

 Bank erosion and stability:
 2
 (0-5)

 Riffles, pools and bends:
 2
 (0-5)

Final Habitat Score: 20 (Add your scores)

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.





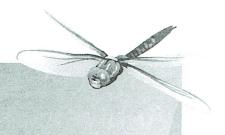
## Bollet Data Form

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





# Physical and Chemical Analysis Data Form



Waterwatch Melbourne Physical and Chemical Analysis

Mon	itc	ring	site	deta	ils

Site code:

013

Site description: Heron P+

## Name of monitoring group

Persons monitoring:

Date and time of monitoring: 9/1/18

## Please record your data below:

y out did to love!				
Parameter	Reading	Comments		
Air Temperature	24.5 °C			
Water Temperature	26.8 °c			
Turbidity	37 NTU			
рН	7.2 Unit			
Conductivity	190 µs/cm			
Dissolved Oxygen	7.5 mg/L	% Saturation		
Phosphate (If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.14 mg/L x.326 = 0.0456	4		
Ammonium	O mg/L			
Nitrate	mg / L			

## **Observations and Notes:**

What has changed since last time you monitored?

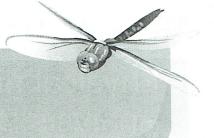
What stands out about the site today?

Other observations:





# Physical and Chemical Analysis Data Form



Waterway Info	ormation				
Rate of flow:  Very fast  None  If 'Other', please sp	☐ Fast☐ Permanent Decify:	☑ Normal ba ☐ Temporary		☐ Slow ☐ Other	☐ Trickle
Type of flow: ☐ Rising ☐ S If 'Other', please sp	teady $\square$ Falling becify:	☐ Peak	□ Dry	☐ Pools / Pud	Idles 🗆 Other
Waterway Appe ☐ Clear ☐ Oily If 'Other', please sp	☑ Muddy ☐ Discoloured	☐ Smelly ☐ Milky		Frothy Stained brown	☐ Scummy ☐ Other
Waterway dept Waterway widt	Particular of the Particular o	m (0 to 3000cr n (0 to 100m)	n)		
Weather: ☐ Sunny ☐ Hail If 'Other', please s	Cloudy Windy pecify:	☑ Overcast ☐ Foggy		Showers Other	☐ Rain
Last rainfall: ☐ Raining now	☐ Last 24hrs	☐ Last 3 days	☐ Last	7 days	More than a week ago
Cans Food Packets Waxed Cardbo	nts (record no.): ard Poeific Black	Paper Plastic Bottles Dueles	Clothing Polysty Petrol/[		Oil (m²) Car bodies Other (specify)





# Macro-invertebrates Data Form



Common Name	Order	Bug Score	Abundance
	Tolerant Macro-invertebr	ates	
Hydra .	Hydrozoa	4	
Beetle Larvae	Coleoptera	4	
True Bugs (Backswimmers, Water Boatman, Water Strider)	Hemiptera	4	3
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	Turbelliaria	3	
	Very Tolerant Macro-invert	ebrates	
Mosquito Larvae	Diptera	2	
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms)	Diptera	1	15+
	TOTALS		

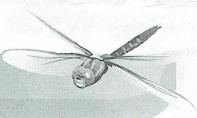
Needle by Overall Bug Rating Feathery Red (segmented)

Mosquito fol (olean)	Total bug score		
Total abundance	0-35	35+	
0-200	Poor	Good	
200+	Fair	Very good	





# Macro-invertebrates Data Form



## Monitoring Group Information

Monitoring :	site details
--------------	--------------

Site code:

.06

Site description:

Pobblebonk Point

## Name of monitoring group

Persons monitoring:

Date and time of monitoring:

7.1.18

## Macro-invertebrates

## Sample Type

☐ Edge ☐ Riffle

#### Please record your data below:

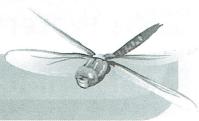
Common Name	Order	Bug Score	Abundance
	Very Sensitive Macro-invertebrates		
Stonefly Nymph	Plecoptera	8	
Mayfly Nymph	Ephemeroptera	7	
Caddisfly Nymph	Trichoptera	7	4
	Sensitive Macro-invertebrate	es	
Toebiters/Dobsonflies	Megaloptera	.6	
Damselfly Nymph	Odonata	6	-
Dragonfly Nymph	Odonata	6	
Freshwater Mussel	Class: Bivalvia	5	**************************************
Aquatic Caterpillars	Lepidoptera	5 7	
Freshwater Shrimp/Prawn	Decapoda	5	,
Freshwater Yabby/Crayfish	Decapoda	5	
Water Mite	Acarina	5	Several
Freshwater Slater	Isopoda	5	





# Waterways Waterwatch Program

# Macro-invertebrates Data Form



Common Name	Order	Bug Score	Abundance
	Tolerant Macro-inverte	brates	
Hydra	Hydrozoa	4	
Beetle Larvae	Coleoptera	4	
True Bugs (Backswimmers, Water Boatman, Water Strider)	Hemiptera	4	80 Bootman 10 Book Sw
Side Swimmer/Scud	Amphipoda	4	1 0 00 1 F2 75 1 1 5
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	31184 5.3
Round Worms	Nematoda	3	
Leech	Hirudinea	3	
Freshwater Snails	Gastropoda	3	
Flatworm	Turbelliaria	3	
	Very Tolerant Macro-inve	tebrates	
Mosquito Larvae	Diptera	2	
Biting Midge Larvae	Diptera	2	8
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms)	Diptera	1	
	TOTALS		

Overall Bug Rating

Total bug score

Total abundance 0-35 35+

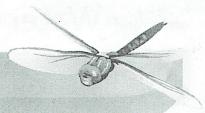
0-200 Poor Good

200+ Fair Very good





# Macro-invertebrates Data Form



## Monitoring Group Information

Monitoring site details

Site code:

Site description:

HeronPolit

Name of monitoring group

Persons monitoring:

Date and time of monitoring: 7 - 1 - 1 &

Macro-invertebrates

Sample Type

☐ Riffle ☐ Edge

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	4		
	Sensitive Macro-invertebrat	tes			
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	45+		
Freshwater Yabby/Crayfish	Decapoda	5	5		
Water Mite	Acarina	5	surend		
Freshwater Slater	Isopoda	5			



