



Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: 006

Site description: Robblebonk Rosal

Name of monitoring group

Persons monitoring: Elaine, Stephane Lucy Burt John B, John S. Su, Ame Date and time of monitoring: 5. 2.17

* Andrew SEHlong EAndyBrisst.

Please record your data below:

Jan data be		Maria (A)	2 AdyBvis
Parameter	Readi	ng	
Air Temperature	25 -		Comments
Water Temperature	25.	7 °C	
Turbidity	22.5	° C	
pH	92500/	NTU	
	6.5	Unit	
Conductivity	240	µS/cm	The second secon
Dissolved Oxygen ha Mothe		M O Z CITI	
Phosphate	O-Tmg/l. Vise	t mg/L	5% % Saturation
If using Lamotte Smart2 colorimeter multiply by 0.326 coalculate mg/L)	0.02	mg / L × · 326	
mmonium	= '007		
itrate	0,	mg / L	
bservations and Notes:		mg / L	

What has changed since last time you monitored? Lovel seems a little higher: Chay coloured

What stands out about the site today? New grower on Cumburgi

Other observations: Possible trops attached to faller 108? over extrese

Horde of Roxers disturbed & flying around.
Ravens





Physical and Chemical Analysis Data Form

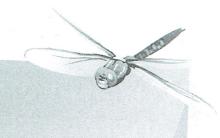


Waterway Infor	mation				
Rate of flow: Very fast None If 'Other', please spe	☐ Fast ☐ Permanent	☐ Normal bas☐ Temporary	e flow	☐ Slow ☐ Other	☐ Trickle
Type of flow: ☐ Rising ☐ State of 'Other', please sp		Peak	☐ Dry	Pools / Pude	dles Other
Waterway Appe ☐ Clear ☐ Oily If 'Other', please s	☐ Muddy ☐ Discoloured pecify: Rod (r	☐ Smelly ☐ Milky	سام سام	☐ Frothy ☐ Stained brown	☐ Scummy ☐ Other
and don't	th:th:	_cm (0 to 3000c	m)		
Weather: ☐ Sunny ☐ Hail If 'Other', please		☐ Overcas ☐ Foggy	t	☐ Showers ☐ Other	☐ Rain
Last rainfall:	Last 24hrs	Last 3 day	s [] Last 7 days	More than a week ago
Litter / Pollude Cans Food Packets Waxed Card		Paper Plastic Bottles	/	Clothing Polystyrene Petrol/Diesel (m²)	Oil (m²) Car bodies Other (specify)





Physical and Chemical Analysis Data Form



Waterwatch Melbourne Physical and Chemical Analysis

Monitoring site details

Site code: YGR 020

Site description:

Name of monitoring group

Persons monitoring:

Date and time of monitoring:

5-2-2017

10.30.

Please record your data below:

a your data per		TOTAL PROPERTY.		
Parameter		Rea	iding	Comments
Air Temperature			25 ° c	
Water Temperature				
Turbidity		-	24.2 0	
рН			35 PTU	
Conductivity			701 Unit	
		160	μS/cm	
Dissolved Oxygen La Motte	-5-4		6 Visace	OUT 69% Saturatio
Phosphate If using Lamotte Smart2		2	O mg/L	01/0
olorimeter multiply by 0.326 calculate mg/L)				
mmonium Visocot.	0			
itrate	0		mg / L	
			mg/L	

Observations and Notes:

What has changed since last time you monitored?

More debris from rain storms

What stands out about the site today?

Lots of ducks -> pacific black ducks, dusky moorhen.

Other observations:

loss of gum flowers floating in water





Physical and Chemical Analysis Data Form



Waterway Informate of flow: Very fast None If 'Other', please spec	☐ Fast ☐ Permanent	Normal base f ☐ Temporary	low ☐ Slow ☐ Other	☐ Trickle
Type of flow: ☐ Rising ☐ Ste If 'Other', please spe		☐ Peak ☐	Dry Pools / Pudo	lles Other
Waterway Appea ☐ Clear ☐ Oily If 'Other', please spe	Muddy Discoloured	☐ Smelly ☐ Milky	☐ Frothy ☐ Stained brown	☐ Scummy ☐ Other
Waterway depth Waterway width Weather: Sunny Hail If 'Other', please sp	Cloudy Windy	_cm (0 to 3000cm) _m (0 to 100m) _ Overcast _ Foggy	Showers Other	☐ Rain
Last rainfall: ☐ Raining now	☐ Last 24hrs	☐ Last 3 days	☐ Last 7 days	More than a week ago
Litter / Polluta Cans Food Packets Waxed Cardbo	nts (record no.	Paper Plastic Bottles	Clothing Polystyrene Petrol/Diesel (m²)	Oil (m²) Car bodies Other (specify)

Minimal rubbish.







Observation Information

Monitoring site details

Site code:	16	R	0:	20

Site des	cription:	The	Lan	1,-01
				-

Name	of	monitoring	group:	
------	----	------------	--------	--

Persons monitoring : __

Date & time of monitoring: 5 2 2017

Habitat Assessment

Bank vegetation: ______ (0 to 10)

Verge vegetation: (0 to 10)

In-stream cover ______ (0 to 10)

Bank erosion & stability: 2 (0 to 5)

Riffles, pools and bends: (0 to 5)

Final Habitat Score: 2 (Add your scores)

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.



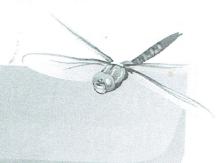


Day	nk Vegetation				
N	(10) Mainly undisturbed tive vegetation. No signs of site alteration.	vegetation. Little	(6) Medium cover, mixed native / introduced. Or one side cleared, the other undisturbed.	(4) Introduced ground cover, little native understorey or overstorey, predominantly introduced vegetation.	(2) Introduced ground cover with lots of bare ground, occasional tree. Also includes sites with concrete- lined channels.
Ve	rge Vegetation				
n b	(10) Mainly undisturbed lative vegetation on oth sides of stream. /erge more than 30 m wide.	(8) 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.	(4) Very narrow corridor of native or introduced vegetation.	Bare cover or introduced grass cover such as pasture land.
In	ı-stream cover				(2)
	(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.	No cover. No snags, boulders submerged or overhanging vegetation. No undercut banks. Site may have rock or concrete lining.
	Bank erosion and stabi	lity			
	(5) 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	(3) 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.
		ds (flowing water only)			(1)
	(5) Wide variety of habitats Riffles and pools present of varying depths. Bends present Good	Good variety of habitate - e.g., riffles and pools or bends and pools.	(3) Some variety of habitate.g., occasional riffle or bend. Some variation in depth.	nabitat. All time of poor	Uniform habitat. Straight stream, all shallow riffle





Physical and Chemical Analysis Data Form



Waterwatch Melbourne Physical and Chemical Analysis

Monitoring	site	details

Site code:

Site description:

YGR 023 Heron Pt.

Name of monitoring group

Persons monitoring:

Date and time of monitoring:

5-2-2017.

MAM.

Please record your data below:

Parameter	Reading	Comments
Air Temperature	27°C	
Water Temperature		
Turbidity	24.7	
рН	27 PTU ATTU	
	7 + 8 Unit	
Conductivity	160 µs/cm	
Dissolved Oxygen ha Motte	2/1	
Phosphate	V1360010	vs. 85/a % Saturation
(If using Lamotte Smart2 Colorimeter multiply by 0.326 to calculate mg/L)	0.01X-326 = 0.003	
Ammonium Visocol.	O mg / L	
Vitrate	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 ☐ Permanent If 'Other', please specify:	☐ Normal base flow ☐ Slow ☐ Trickle ☐ Other
Type of flow: ☐ Rising ☐ Steady ☐ Falling If 'Other', please specify:	☐ Peak ☐ Dry ☐ Pools / Puddles ☐ Other
Waterway Appearance: ☐ Clear ☐ Muddy ☐ Oily ☐ Discoloured If 'Other', please specify:	☐ Smelly ☐ Frothy ☐ Scummy ☐ Milky ☐ Stained brown ☐ Other
Waterway depth:	_m (0 to 3000cm) 130 cm. _m (0 to 100m)
Weather: ☐ Sunny ☐ Cloudy ☐ Hail ☐ Windy If 'Other', please specify:	Overcast Showers Rain Foggy Other
Last rainfall: Raining now Last 24hrs	□ Last 3 days □ Last 7 days □ More than a week ago
Litter / Pollutants (record no Cans Food Packets Waxed Cardboard	Paper Clothing Oil (m²) Plastic Polystyrene Car bodies Bottles Petrol/Diesel (m²) Other (specify)







Monitoring site details

Site code: 60%

Site description:

Name of monitoring group

Persons monitoring: JB, JS, EB, SD, SE, LB, AP

Date and time of monitoring: 5.2.17

Bank vegetation:		6	
Verge vegetation:		8	(0-10)
In-stream cover:			(0-10)
Bank erosion and stability:	1	<u> </u>	(0-10)
Riffles, pools and bends:		/	(0-5)
Final Habitat Score:		ص ا	(0-5)
ocore.		32_	(Add your scores

Excellent (36-40)	Site in natural or virtually natural condition
Good (29-35)	Site in natural or virtually natural condition; excellent habitat condition. 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
Degraded (8-11)	Very degraded, often with severe erosion or sedimentation problems.





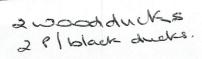


06,	Robblebonk

5,2.17

			4. **	
))	(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.	Introduced ground cover with lots of bare ground, occasional tree. Also includes sites with concrete lined channels.
erge vegetation (10) Italianly undisturbed ative vegetation on oth sides of stream. Verge more than 100m 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.
(10) Abundant cover. Frequent snags, logs o boulders with extensive areas of in-stream, aquatic vegetation and overhanging bank.	of in-stream and	(6) Some snags or boulders present and / or occasional areas of in-stream or overhanging vegetation.	Only slight cover. The stream is largely clear with occasional snags and very little in-streat vegetation. Generally overhanging vegetation.	vegetation. No undercut no banks. Site may have
(5) Stable; no erosion / Sedimentation evident. No undercutting of banks usually gentle bank slopes, lower banks covered with root mat grasses, reeds of shrubs.	Only spot erosion occurring. Little undercutting of bank, good vegetation cover usually gentle bank slopes, no significant damage to bank	(3) Localised erosion evident. A relatively good vegetation cove No continuous dama 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.
	(4) Good variety of habi - e.g., riffles and pool or bends and pools. Variation in depth of riffle and pool.	(3) tats Some variety of ha ols - e.g., occasional r	ITTIE OF Habitati /	light of poor of armed ctr







Macro-invertebrates Data Form



Monitoring Group Information

Monitoring site details

Site code: 006

Site description: Pobblebonk

Name of monitoring group

Persons monitoring:

Date and time of monitoring: 5 . 2 . 17

Macro-invertebrates

Sample Type

☐ Edge ☐ Riffle

Please record your data below:

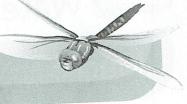
Common Name	Order	Bug Score	Abundance
	Very Sensitive Macro-inv		A COUNTRIES
Stonefly Nymph	Plecoptera	8	
Mayfly Nymph	Ephemeroptera		
Caddisfly Nymph	Trichoptera	7	
	Sensitive Macro-inverteb	7 rates	
Toebiters/Dobsonflies	Megaloptera		
Damselfly Nymph	Odonata	6	
Dragonfly Nymph	Odonata	6	,
reshwater Mussel	Class: Bivalvia	6	
Aquatic Caterpillars	Lepidoptera	5	
reshwater Shrimp/Prawn		5	
	Decapoda	5	
reshwater Yabby/Crayfish	Decapoda	5	
/ater Mite	Acarina	5	
reshwater Slater	Isopoda	5	

Mosquito fish only





Macro-invertebrates Data Form



Common Name	Order	Bug Score	Abundance
	Tolerant Macro-inverte	brates	
ydra	Hydrozoa	4	
eetle Larvae	Coleoptera	4	
rue Bugs (Backswimmers, /ater Boatman, Water Strider)	Hemiptera	4	2
side Swimmer/Scud	Amphipoda	4	
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	
Round Worms	Nematoda	3	
Leech	Hirudinea	3	
Freshwater Snails	Gastropoda	3	
	Turbelliaria	3	
Flatworm	Very Tolerant Macro-in	vertebrates	
Mosquito Larvae	Diptera	2	
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms	s) Diptera	11	
Non Billing Wilage (Blood West	TOTALS	4	2

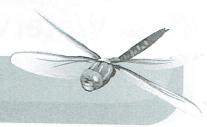
Overall Bug Rating	Total bug	score
Total abundance	0-35	35+
0-200	Class Poor	Good
200+	Fair	Very good





Waterways Waterwatch Program

Macro-invertebrates Data Form



Common Name	Order	Bug Score	Abundance
	Tolerant Macro-invert	tebrates	
Hydra	Hydrozoa	4	
Beetle Larvae	Coleoptera	4	
True Bugs (Backswimmers) Water Boatman, Water Strider)	Hemiptera	4	bootman
Side Swimmer/Scud	Amphipoda	4	micronedo
Aquatic Beetles (Diving Beetles Whirligig Beetles)	Coleoptera	3	
Round Worms	Nematoda	3	
Leech	Hirudinea	3	
Freshwater Snails	Gastropoda	3	
Flatworm	Turbelliaria	3	
	Very Tolerant Macro-inve	rtebrates	
Mosquito Larvae	Diptera	2	
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms)	Diptera	1	
	TOTALS	21	113+

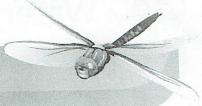
Overall Bug Rating

	Total bu	ug score
Total abundance	0-35 21	35+
0-200 413	Poor	Good
200+	Fair	Very good





Macro-invertebrates Data Form



Monitoring Group Information

Monitoring site details

Site code:

Site description: Heron Point

Name of monitoring group

Persons monitoring:

Date and time of monitoring: 5 · 2 · 17

Macro-invertebrates

Sample Type

☑ Edge ☐ Riffle

Please record your data below:

Common Name	Order	Bug Score	Abundance
	Very Sensitive Macro-inve	rtebrates	
Stonefly Nymph	Plecoptera	8	
Mayfly Nymph	Ephemeroptera	7	
Caddisfly Nymph	Trichoptera	7	1
	Sensitive Macro-invertebr	rates	
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	//
Freshwater Yabby/Crayfish	Decapoda	5	/
Water Mite	Acarina	5	
Freshwater Slater	Isopoda	5	





Macro-invertebrates Data Form



Monitoring Group Information

Monitoring site details

Site code:

Site description: Boardwalk not normally sampled.

Name of monitoring group

Persons monitoring:

Date and time of monitoring: 5 . 2 . 17

Macro-invertebrates

Sample Type

☐ Edge ☐ Riffle

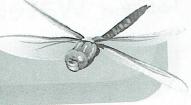
Please record your data below:

Common Name	Order	Bug Score	Abundance
	Very Sensitive Macro-inve	ertebrates	
Stonefly Nymph	Plecoptera	8	
Mayfly Nymph	Ephemeroptera	7	
Caddisfly Nymph	Trichoptera	7	
	Sensitive Macro-invertebra	ates	
Toebiters/Dobsonflies	Megaloptera	6	
Damselfly Nymph	Odonata	6	
Dragonfly Nymph	Odonata		
Freshwater Mussel	Class: Bivalvia	6	
Aquatic Caterpillars	Lepidoptera	5	
reshwater Shrimp/Prawn		5	
reshwater Yabby/Crayfish	Decapoda	5	11
	Decapoda	5	
Vater Mite	Acarina	5	
reshwater Slater	Isopoda	5	





Macro-invertebrates Data Form



Common Name	Order	Bug Score	Abundance
	Tolerant Macro-inverte	brates	
ydra	Hydrozoa	4	
leetle Larvae	Coleoptera	4	
rue Bugs (Backswimmers, Vater Boatman, Water Strider)	Hemiptera	4	4 + Bar 1 Water Bootma
Side Swimmer/Scud	Amphipoda	4	say! sian
Aquatic Beetles (Diving Beetles, Whirligig Beetles)	Coleoptera	3	Education Referen
Round Worms	Nematoda	3	
Leech	Hirudinea	3	
Freshwater Snails	Gastropoda	3	
Flatworm	Turbelliaria	3	
The state of the s	Very Tolerant Macro-inv	ertebrates	
Mosquito Larvae	Diptera	2	•
Biting Midge Larvae	Diptera	2	
Fly Larvae	Diptera	2	
Segmented Worm	Oligochaeta	1	
Non Biting Midge (Bloodworms) Diptera	1	
Two training the grant of the g	TOTALS	16	52+

Total abundance 0-35 16	
0-200 52 推 Poor Go Very	



