



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 19 October 2025

Scope

- Basic chemistry and ammonium tests at all sites.
- Dissolved Oxygen and Phosphate tests at sites 2, 3 (our downstream sites)
- Flow measurement and/or observations at all sites.
- Aquatic invertebrate sampling at sites 2, 3 (our downstream sites), sampled 5 days earlier with a school group on 14th October.

Weather Conditions

Previous week: 10 mm rain

Previous 24 hours: Sunny

During testing: Overcast, warming up.

Water Quality Results

	YSC010 Site 1A Fiander arm	YSC012 Site 1B Crosby arm	YSC020 Site 2 Regent St	YVA100 Site 3 Valley Creek
Air Temp C	20	20	18.5	18
Water Temp C	14	15	16	15
pH	7.2 G	6.8 E	6.8 E	6.0 E
Oxygen Conc. mg/l			6.2 G	5.0 F
Conductivity E.C.	500 P	270 F	460 F	210 G
Turbidity F.T.U	36 D	8 E	16 G	40 D
Phosphorus, soluble ppm			0.068 P	0.098 P
Ammonium NH ₄ ⁺ ppm	0.00 E	0.07 G	0.30 P	0.00 E
Stream Flow estimate l/s	9.8	2.0	12.6	estimated 0.025

(E = Excellent, G = Good, F = Fair, P = Poor, D = Degraded)

Macro Invertebrates Results

		YSC020 Site 2 Regent St	YVA100 Site 3 Valley Creek
	Bug score	Number found	Number found
Very Sensitive			
<i>Caddisfly larvae</i>	7	1	1
Sensitive			
<i>Damselfly larvae</i>	6	2	1
Tolerant			
<i>Leeches</i>	3	3	3
<i>Snails (freshwater)</i>	3	12	5
<i>Flatworms</i>	3	2	0
Very Tolerant			
<i>Midge larvae</i>	2	2	0
<i>Fly larvae</i>	2	10	0
<i>Freshwater segmented worms</i>	1	11	2
<i>Blood worms</i>	1	0	5
Total Number Found		43	17
Total Bug Score		27	21
Stream Condition		Poor	Poor

Comments:

This survey was done on two separate days : We were assisting a Year 10 school excursion with the invertebrates survey and decided to take those results instead of taking another sample 5 days later and risk oversampling the invertebrates.

- Chemical results typical of the low flow conditions were: Low flow, high turbidity and high conductivity at site 1a (YSC010, Scotchmans Ck upstream of Blackburn Rd).
- The pH at site 3 (YVA100, Valley Creek) was the lowest recorded in years.
- The invertebrates samples rating is Poor, there was hardly any in-stream vegetation.
- Approximately ten golden carp had been spotted on 6th October and had been reported to the City of Monash council and Melbourne Water. Today we can only see four. (See below for a photo of some of them near the Regent Street footbridge over Scotchmans Ck).



MYL / FGB 19/10/2025