



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 20 September 2026

Scope

- Aquatic invertebrate sampling upstream at sites 1a and 1b.
- Basic chemistry and ammonium tests at all sites.
- Dissolved Oxygen and Phosphorus tests at sites 1a, 1b (our upstream sites).
- Flow measurement and/or observations at all sites.

Weather Conditions

Previous week: 1 mm rain

Previous 24 hours: Sunny, mild.

During testing: Sunny, warming up, windy.

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	18	18		
Water Temp C	14.5	15.5	17	19
pH	7.3 G	7.0 E	7.1 G	7.2 G
Oxygen Conc. mg/l	9.0 E	6.9 G		
Conductivity E.C.	444 F	408 F	605 P	663 P
Turbidity F.T.U	54 D	10 E	34 D	2 E
Phosphorus, soluble ppm	0.016 G	0.088 P		
Ammonium NH ₄ ⁺ ppm	0.00 E	0.03 E	0.10 F	0.00 E
Stream Flow estimate l/s	2.0	3.5	3.2	estimate 5

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

Macro Invertebrates Results

		YSC010 Site 1A Fiander arm	YSC012 Site 1B Crosby arm
	Bug score	Number found	Number found
Very Sensitive			
<i>Caddisfly larvae</i>	7	0	4
Sensitive			
<i>Freshwater mussel</i>	5	0	1
Tolerant			
<i>Leeches</i>	3	1	0
<i>Snails (freshwater)</i>	3	50	60
<i>Flatworms</i>	3	2	6
Very Tolerant			
<i>Freshwater segmented worms</i>	1	1	2
<i>Blood worms</i>	1	50	30
Total Number Found		104	103
Total Bug Score		11	20
Stream Condition		Poor	Poor

Comments:

- Despite having clear running water, Site 1b's oxygen content was lower than Site 1a's which was muddy in appearance. Site 1b's soluble phosphorus was higher than Site 1a's.
- Site 1b's in-stream vegetation was green by comparison to Site 1a's sparse in-stream vegetation.
- Site 1a banks were very eroded, in particular opposite the newly repaired embankment.
- Both downstream sites rated Poor for aquatic macro invertebrates.
- Three days ago, we held a small session at Site 2 (Regent St) with four Mt Waverley Secondary College students and found : 2 caddisfly larvae, 1 damselfly larva, 1 dragonfly larva, 1 leech, 10 snails, 1 flat worm, 10 fly larvae, 1 segmented worm and 30 blood worms. The rating is Poor. The in-stream vegetation was covered in dark algae.

ML / FGB 20 September 2026