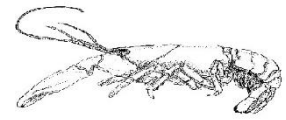




Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 24th May 2026

Scope

- Aquatic invertebrate sampling downstream at sites 2 and 3.
- Basic chemistry tests at all sites.
- Dissolved Oxygen and Phosphate tests downstream at site 2 only.
- Ammonium tests at all sites.
- Flow measurement and/or observations at all sites.

Weather Conditions

Previous week: Mild, 22 mm rain.

Previous 24 hours: Overcast.

During testing: Overcast.

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	13	13	13	13
Water Temp C	13	12.5	13	11.5
pH	6.7 E	6.7 E	6.6 E	6.9 E
Oxygen Conc. mg/l			7.6 G	8.6 E
Conductivity E.C.	158 G	389 F	363 F	372 F
Turbidity F.T.U	66 D	9 E	36 D	19 F
Phosphorus, soluble ppm			0.026 F	Not tested
Ammonium NH ₄ ⁺ ppm	0.00 E	0.00 E	0.15 F	0.04 E
Stream Flow estimate l/s	2.1	1.0	11.7	0.4

(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
Sensitive			
<i>Damselfly larvae</i>	6	5	5
<i>Dragonfly larvae</i>	6	2	1
<i>Freshwater Yabbies/Crayfish</i>	5	0	1
Tolerant			
<i>True Bugs (Backswimmers, Water Scorpions, Water Boatmen, Lesser Water Striders, Water Striders/Treaders)</i>	4	0	3 (backswimmers)
<i>Leeches</i>	3	11	5
<i>Snails (freshwater)</i>	3	0	25
<i>Flatworms</i>	3	1	10
Very Tolerant			
<i>Fly larvae</i>	2	2	0
<i>Freshwater segmented worms</i>	1	50	25
<i>Blood worms</i>	1	100	10
Total Number Found		171	85
Total Bug Score		22	32
Stream Condition		Poor	Poor

Comments:

- The phosphorus reagent ran out – hence no phosphorus result for Site 3.
- Turbidity was very high at the upstream site 1a and downstream site 2. Water in Site 1a was milky coming from further upstream - Yarra Valley Water reported 2 emergencies.
- At Site 1a, the gravel mound near the drain inlet from the previous month is still present, the water from the inlet is running clear.
- There were 15 gambusia fish sampled in Scotchmans Creek Site 2. One tadpole was sampled in Site 3. Both downstream sites rated Poor for waterbugs.
- There was litter observed in Sites 1a and 1b.
- Last month we reported that the drainpipe that empties into the Site 1a creek from behind Turner Ct houses was exposed. Today it was observed that that creek embankment had been repaired with new boulders and a new in-ground grate.