



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 21 September 2025

Scope

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

Weather Conditions

Previous week: 10.6 mm rain (averaged Nottingham & Mt View rainfall data MelbWater)

Previous 24 hours: Overcast, 0.3 mm rain (averaged Nottingham & Mt View rainfall data MelbWater)

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	8	10	11	11
Water Temp C	9	11	11	11.5
pH	7.2 G	6.8 E	7.0 E	7.1 G
Oxygen Conc. mg/l	8.9 E	5.8 F		
Conductivity E.C.	410 F	340 F	430 F	200 G
Turbidity F.T.U	6 E	8 E	14 E	16 G
Phosphorus, soluble ppm	0.046 F	0.192 D		
Ammonium NH ₄ ⁺ ppm	0.00 E	0.30 P	0.07 G	0.00 E
Stream Flow estimate l/s	5.7	8.5	13.3	estimated <1

(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
Sensitive			
<i>Damselfly larvae</i>	6	1	3
<i>Freshwater mussel</i>	5	0	11
Tolerant			
<i>Snails (freshwater)</i>	3	80	50
<i>Flatworms</i>	3	2	0
Very Tolerant			
<i>Freshwater segmented worms</i>	1	5	0
<i>Blood worms</i>	1	5	15
Total Number Found		93	79
Total Bug Score		14	15
Stream Condition		Poor	Poor

Comments:

- Ammonium level at Site 1b (Crosby arm) is lower than last month's, but still elevated than usual. The oxygen concentration was similar to last month's results (lower than usual). The EPA had asked that we keep them updated of this month's sampling results.
- The invertebrate sample ratings at the upstream sites were both Poor. We found freshwater mussels in the fine gravel at Site 1b (Crosby arm).

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