



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 19 April 2026

Scope

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

Weather Conditions

Previous week: 4 mm rain

Previous 24 hours: Sunny.

During testing: Sunny, cold.

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	14	13	13
Water Temp C	11	11	13	12
pH	6.8 E	7.6 G	6.9 E	6.8 E
Oxygen Conc. mg/l	7.7 G	7.3 G		
Conductivity E.C.	470 F	383 F	330 F	171 G
Turbidity F.T.U	18 F	19 F	17 G	17 G
Phosphorus, soluble ppm	0.029 F	0.075 P		
Ammonium NH ₄ ⁺ ppm	0.00 E	0.04 E	0.15 F	0.00 E
Stream Flow estimate l/s	1.7	1.0	9.0	0.7

(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	3
Sensitive			
<i>Damselfly larvae</i>	6	2	2
<i>Water Mites</i>	5	1	0
Tolerant			
<i>True Bugs (Backswimmers, Water Scorpions, Water Boatmen, Lesser Water Striders, Water Striders/Treaders)</i>	4	1 (Water Boatmen)	0
<i>Leeches</i>	3	0	10
<i>Snails (freshwater)</i>	3	10	100
<i>Flatworms</i>	3	5	0
Very Tolerant			
<i>Fly larvae</i>	2	0	1
<i>Freshwater segmented worms</i>	1	1	10
<i>Blood worms</i>	1	5	50
Total Number Found		25	176
Total Bug Score		23	23
Stream Condition		Poor	Poor

Comments:

- Turbidity downstream was lower than upstream's.
- Water in Site 1a was slightly cloudy, and there was a gravel mound near the inlet. The sediment removal works at Bogong Reserve had completed.
- There was gambusia fish present in both creeks, with 10 sampled from Site 1a and 15 sampled from Site 1b.
- Two large tadpoles were sampled in Site 1b.
- There was litter observed in Site 1a, typical after rains. Some deep spots in the creek have developed opposite the in-ground grate behind Turner Ct. The drain that empties into the creek is now quite exposed and visible.

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