



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 22nd March 2026

Scope

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

Weather Conditions

Previous week: Mild, 19 mm rain.

Previous 24 hours: Sunny.

During testing: Sunny.

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	19	19	17	19.5
Water Temp C	19.5	22.5	17	20
pH	6.8 E	6.6 E	6.6 E	6.7 E
Oxygen Conc. mg/l			2.8 D	2.3 D
Conductivity E.C.	477 F	382 F	400 F	287 F
Turbidity F.T.U	8 E	12 E	22 P	32 D
Phosphorus, soluble ppm			0.068 P	0.039 F
Ammonium NH ₄ ⁺ ppm	0.00 E	0.02 E	0.15 F	0.01 E
Stream Flow estimate l/s	2.0	8.8	11.8	0.1

(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	5
Sensitive			
<i>Damselfly larvae</i>	6	10	4
<i>Dragonfly larvae</i>	6	1	1
<i>Freshwater Yabbies/Crayfish</i>	5	1	0
<i>Water Mites</i>	5	50	30
<i>Freshwater Slaters</i>	5	1	2
Tolerant			
<i>True Bugs (Backswimmers, Water Scorpions, Water Boatmen, Lesser Water Striders, Water Striders/Treaders)</i>	4	1	1
<i>Leeches</i>	3	19	5
<i>Snails (freshwater)</i>	3	20	8
<i>Flatworms</i>	3	50	15
Very Tolerant			
<i>Freshwater segmented worms</i>	1	5	2
<i>Blood worms</i>	1	20	0
Total Number Found		179	73
Total Bug Score		49	43
Stream Condition		Good	Good

Comments:

- Creek flows were low, despite the rain earlier in the week, and Valley Creek was at a trickle.
- The chemical test results were generally good, except for the usual summertime low oxygen levels, and the usual fair or poor soluble phosphorus levels.
- Turbidity was low at the upstream sites, but higher downstream, and in Valley Creek.
- We found an unusually good variety of invertebrates in both downstream sites.