Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 1st November 2026

Scope

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

Weather Conditions

Previous week: Mild, 51 mm rain.
Previous 24 hours: Overcast, 15mm rain.
During testing: Intermittent sun and cloudy.

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			16.5	
Water Temp C	16.5	17	15.5	16
pH	7.7 G	7.5 G	6.9 E	7.1 G
Oxygen Conc. mg/l			6.4 G	6.9 G
Conductivity E.C.	520 P	422 F	263 F	578 P
Turbidity F.T.U	42 D	39 D	50 D	46 D
Phosphorus, soluble ppm		0.059 P	0.049 F	0.026 F
Ammonium NH4+ ppm	0.00 E	0.00 E	0.00 E	0.00 E
Stream Flow estimate l/s	18.4	19.0	58.3	1.6

(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			
Caddisfly larvae	7	8	10
Sensitive			
Dragonfly larvae	6	0	1
Freshwater mussel	5	0	1
Freshwater Yabbies/Crayfish	5	1	0
Freshwater Slaters	5	1	4
Tolerant			
Leeches	3	1	5
Snails (freshwater)	3	10	1
Flatworms	3	3	10
Very Tolerant			
Fly larvae	2	1	0
Freshwater segmented worms	1	15	20
Blood worms	1	10	1
Total Number Found		**50**	**53**
Total Bug Score		**30**	**34**
Stream Condition		**Poor**	**Poor**

Comments:

- Our session was re-scheduled from last Sunday (25th Oct) due to heavy rain.
- The water was turbid and the conductivity was high which were expected after heavy rain.
- Site 2 banks were very eroded, some bank vegetation have fallen in.
- Site 3 have more bare earth patches than usual. Visible boulders observed near sewer post.
- Both downstream sites rated Poor for aquatic macro invertebrates.

MYL / FGB 1/11/26