



## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 22 February 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: 6 mm rain

Previous 24 hours: Sunny.

During testing: Overcast, light showers.

### Water Quality Results

	<b>YSC010 Site 1A Fiander arm</b>	<b>YSC012 Site 1B Crosby arm</b>	<b>YSC020 Site 2 Regent St</b>	<b>YVA100 Site 3 Valley Creek</b>
Air Temp C	20	20	21	21.5
Water Temp C	19	19.5	20	20
pH	7.1 G	6.9 E	6.8 E	6.8 E
Oxygen Conc. mg/l	4.0 P	1.5 D		
Conductivity E.C.	555 P	598 P	498 F	289 F
Turbidity F.T.U	13 E	18 F	33 D	28 P
Phosphorus, soluble ppm	0.039 F	0.199 D		
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.04 E	0.08 G	0.40 D	0.00 E
Stream Flow estimate l/s	2.8	2.8	11.7	0.9

(E = Excellent, G = Good, F = Fair, P = Poor, D = Degraded)

## Macro Invertebrates Results

		<b>YSC010 Site 1A Fiander arm</b>	<b>YSC012 Site 1B Crosby arm</b>
	<b>Bug score</b>	<b>Number found</b>	<b>Number found</b>
Very Sensitive			
<i>Caddisfly larvae</i>	7	1	
Sensitive			
<i>Damselfly larvae</i>	6	2	50
<i>Dragonfly larvae</i>	6	2	20
<i>Freshwater mussel</i>	5		3
<i>Water Mites</i>	5		1
Tolerant			
<i>True Bugs (Backswimmers, Water Scorpions, Water Boatmen, Lesser Water Striders, Water Striders/Treaders)</i>	4	2	
<i>Leeches</i>	3	20	20
<i>Snails (freshwater)</i>	3	50	100
<i>Flatworms</i>	3	10	
Very Tolerant			
<i>Freshwater segmented worms</i>	1	10	
<i>Blood worms</i>	1	100	100
<b>Total Number Found</b>		<b>197</b>	<b>294</b>
<b>Total Bug Score</b>		<b>34</b>	<b>29</b>
<b>Stream Condition</b>		<b>Poor</b>	<b>Fair</b>

### Comments:

- Despite the mid-week rain, the water quality showed dry-weather characteristics. Oxygen levels were low (poor to degraded), and electrical conductivity (salinity) was rather high (fair to poor).
- The high (degraded) ammonium level at our downstream Scotchmans Ck site was possibly related to a persistent sewage seepage just upstream of Blackburn Rd.
- The invertebrates survey was better than usual, with Fair abundance in the Glen Waverley Main Drain, but the variety we found at both upstream sites was poor.

FGB / ML 23 Feb 2026