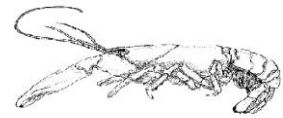




Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 22 February 2015

Scope

- Full phys / chem and aquatic invertebrate sampling at sites 1a and 1b (the upstream sites).
- No monitoring at sites 4 and 5 (Mt Waverley Wetlands).
- Basic phys / chem at the other sites.

Weather Conditions

During testing: Warm, overcast

Previous 24 hours: Hot, no rain

Previous week: Warm to hot, 1 mm rain

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	27	27	27	27
Water Temp C	21	22	22	21
pH	6.9 E	6.2 E	6.4 E	6.5 E
Oxygen Conc. mg/l	4.0 P	5.3 F		
Conductivity E.C.	640 P	230 G	430 F	350 F
Turbidity F.T.U	10 E	14 E	12 E	25 P
Phosphorus, soluble ppm	0.000 E	0.117 D		
Ammonium NH ₄ ⁺ ppm	0.20 P	0.00 E	0.10 F	0.00 E
Stream Flow (volume) l/s	2.4	5.0	12.6	0.0

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

Macro Invertebrates Results

	YSC010 Site 1A Fiander arm	YSC012 Site 1B Crosby arm
Sensitive		
<i>Damselfly larvae</i>	1	5
<i>Dragonfly larvae</i>	0	1
Tolerant		
<i>Beetle larvae</i>	6	0
<i>Leeches</i>	2	10
<i>Snails (freshwater)</i>	50	15
<i>Flatworms</i>	30	10
Very Tolerant		
<i>Freshwater segmented worms</i>	3	3
<i>Blood worms</i>	50	50
Abundance Category	3	2
Total Bug Score	21	23
Stream Condition	Poor	Poor

FGB
23/2/15