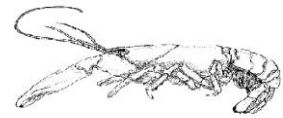




Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 20th August 2018

Scope

- Basic chemistry tests at all sites.
- Dissolved Oxygen and Phosphate tests at the upstream sites 1a, 1b.
- Ammonium tests at all sites.
- Flow measurement and/or observations at all sites.

Weather Conditions

During testing: Overcast

Previous 24 hours: Overcast, cold, 5 mm rainfall, preceded by light hail showers.

Previous week: Partly cloudy, cold winds, 29 mm rainfall.

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	10	10	9	9
Water Temp C	10	9.5	10	9
pH	7.5 G	6.9 E	6.7 E	6.9 E
Oxygen Conc. mg/l	12.0 E	10.5 E		
Conductivity E.C.	360 F	210 G	220 G	190 G
Turbidity F.T.U	37 D	14 E	25 P	25 P
Phosphorus, soluble ppm	0.062 P	0.068 P		
Ammonium NH ₄ ⁺ ppm	0.03 E	0.02 E	0.02 E	0.02 E
Stream Flow (volume) l/s	21.0	11.7	73.5	7.2

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

Comments:

- Testing was deferred 1 day from our schedule to avoid testing very high flows and in rain and light hail showers.
- Previous rain events had filled the wetlands ponds which were still draining and contributing extra flows downstream (at site 2).
- All arms had high flows, well within the banks, and all except the Glen Waverley Drain (site 1b) were muddy.
- Oxygen and ammonium results were excellent, conductivity Fair to Good, and phosphate results were Poor.

FGB 21/8/18