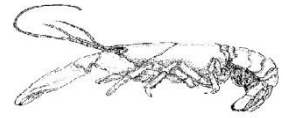




## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

### Waterwatch Report 20 November 2022

#### Scope

- No aquatic invertebrate sampling at sites 1a and 1b (upstream sites).
- Basic chemistry and ammonium tests at sites 1a, 1b (upstream sites) & 2, 3 (downstream sites).
- Dissolved Oxygen and Phosphate tests at sites 1a, 1b (upstream sites).
- Flow measurement and/or observations at sites 1a, 1b (upstream sites) & 2, 3 (downstream sites).

#### Weather Conditions

Previous week: 40 mm rain.

Previous 24 hours: Cloudy, rain overnight 18 mm.

During testing: Sunny with periods of overcast.

#### 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	15	15	15	15
Water Temp C	15	15	14.5	14.5
pH	7.5 G	7.4 G	7.3 G	7.1 G
Oxygen Conc. mg/l	9.6 E	9.1 E		
Conductivity E.C.	340 F	280 F	220 G	310 F
Turbidity F.T.U	74 D	42 D	54 D	52 D
Phosphorus, soluble ppm	0.068 P	0.082 P		
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.00 E	0.00 E	0.00 E	0.00 E
Stream Flow estimate l/s	176.4	93.8	170.2	50.5

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

## **Macro Invertebrates Results**

Scheduled but not sampled – see comments below.

### **Comments:**

- The scheduled invertebrates sampling was not done due to high turbidity and fast flow from previous day's heavy rain.
- As expected, Turbidity was Degraded for all sites; upstream and downstream branches were muddied by overnight heavy rain. Oxygen concentration at Sites 1a & 1b were excellent.
- Ammonium results were excellent for all sites.
- Stream flows are high – Regent St Site 2 was flowing almost as fast as Fiander arm Site 1a ! Valley Creek was at bankful.

ML / FGB 20/11/22.