



## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

### Waterwatch Report 19 May 2019

#### Scope

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

#### Weather Conditions

During testing: Overcast

Previous 24 hours: Sunny

Previous week: Cool, became sunny late in the week.

Last rainfall over 1 week ago.

#### 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	12	12	12	12
Water Temp C	13	13	11.5	10
pH	7.2 G	7.0 E	7.1 G	7.0 E
Oxygen Conc. mg/l			8.0 E	5.8 F
Conductivity E.C.	470 F	210 G	290 F	230 G
Turbidity F.T.U	9 E	12 E	13 E	24 P
Phosphorus, soluble ppm			0.049 F	0.023 G
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.00 E	0.02 E	0.07 G	0.00 E
Stream Flow (volume) l/s	2.0	4.7	1.3	0.1

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

**Comments:**

- The physical and chemical results were Fair to Excellent, except that Valley Creek (at a trickle) was muddy (Poor turbidity measurement).
- There was only a small team available, so the scheduled waterbug sampling was not done. A waterbug sample taken from site 2, for a school excursion 3 days before, had low variety and abundance.

FGB, 21/5/19