



## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

### Waterwatch Report 23 July 2017

#### Scope

- Basic tests at all sites.
- Dissolved Oxygen and Phosphate tests at sites 2 and 3.
- Habitat Assessment at sites 1a, 1b.

#### Weather Conditions

During testing: Overcast

Previous 24 hours: Overcast

Previous week: Cold, 14 mm rainfall.

#### 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	10	10	9	10
Water Temp C	10	10	8	9
pH	7.5 G	7.1 G	6.9 E	6.9 E
Oxygen Conc. mg/l			9.1 E	10.0 E
Conductivity E.C.	660 P	160 G	270 F	270 F
Turbidity F.T.U	10 E	7 E	15 G	15 G
Phosphorus, soluble ppm			0.046 F	0.016 G
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.03 E	0.01 E	0.02 E	0.01 E
Stream Flow (volume) l/s	5.1	6.1	19.8	0.7

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

## **Habitat**

- The site photographs accompany this report as a separate file.
- Site 1a: There is still very little in-stream vegetation. Verge vegetation is very weedy (Tradescantia etc). Spot erosion still apparent.
- Site 1b: Erosion is less active, bare sand beds are still present, native verge vegetation is improving but the banks are weedy.

## **Comments:**

- The creeks all appeared relatively good, with flow from the previous week's rain. All the chemical indicators were Fair to Excellent, except for Poor conductivity in the Fiander arm (site 1a).
  - The phosphorus results are usually poor, but this time Fair and Good.
  - The Fiander arm is often showing Poor conductivity.
- The habitat assessments were similar to 2016.

FGB 25 July 2017.