



## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

### Waterwatch Report 20 July 2014

#### Scope

- Basic chemistry tests and flow measurement and/or observations at all sites.
- Full chemistry at sites YSC020 (Site 2 Regent St ) and YVA100 (Site 3 Valley Creek)

#### Weather Conditions

During testing: Cold, misty.

Previous 24 hours: Sunny periods, cold.

Previous week: Cold, 6 mm rain.

#### 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>	<b>YSC099 Site 4 Wetland upper</b>	<b>YSC100 Site 5 Wetland lower</b>
Air Temp C	10	10	9	10	10	10
Water Temp C	10	10	10	9.5	10	9.5
pH	7.4 G	7.3 G	6.9 E	7.0 E	6.9 E	6.5 E
Oxygen Conc. mg/l			7.9 G	9.2 E		
Conductivity E.C.	630 P	310 F	390 F	320 F	26 E	180 G
Turbidity F.T.U	13 E	9 E	20 P	11 E	17 G	21 P
Phosphorus, soluble ppm			0.046 F	0.033 F		
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.02 E	0.02 E	0.08 G	0.01 E	0.06 G	0.10 F
Stream Flow (volume) l/s	7.4	3.2	21.0	0.2		

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

#### Comments:

Water quality results were Fair to excellent except

- Poor conductivity in the Fiander arm

- Poor turbidity at Regent St and in the wetlands lowest pond (note, the pond was not flowing out to Regent St)

There was a large quantity and variety of litter caught on the banks at the Crosby arm (site 1b).

FGB 21/7/14.