



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 25 August 2019

Scope

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

Weather Conditions

Previous week: 18 mm rain.

Previous 24 hours: Sunny with 2 mm overnight rain.

During testing: Sunny.

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	11	11	11	11
Water Temp C	10.5	10.5	10.5	10
pH	7.4 G	7.2 G	7.0 E	7.1 G
Oxygen Conc. mg/l	10.0 E	9.8 E		
Conductivity E.C.	410 F	200 G	240 G	270 F
Turbidity F.T.U	18 F	11 E	19 F	19 F
Phosphorus, soluble ppm	0.033 F	0.020 G		
Ammonium NH ₄ ⁺ ppm	0.02 E	0.02 E	0.04 E	0.00 E
Stream Flow (volume) l/s	7.0	14.0	58.3	7.0

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

Comments:

- The previous week's rain has filled the wetlands ponds, which were still draining fast (causing high flow than usual at site 2). A morning shower contributed to higher flow than usual in Valley Creek.
- The chemical results were all in the upper half of the quality range.
- There was less litter than seen recently, at all the sites.

FGB 25/8/19