



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 18 June 2017

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.
- Habitat assessment at sites 2, 3.

Weather Conditions

During testing: Overcast.

Previous 24 hours: Sunny.

Previous week: Sunny, no rain.

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	13	13
Water Temp C	10	10.5	10.5	10
pH	7.4 G	7.0 E	6.7 E	7.0 E
Oxygen Conc. mg/l	9.4 E	9.0 E		
Conductivity E.C.	580 P	280 F	480 F	350 F
Turbidity F.T.U	10 E	6 E	15 G	14 E
Phosphorus, soluble ppm	0.055 P	0.137 D		
Ammonium NH ₄ ⁺ ppm	0.03 E	0.00 E	0.09 G	0.00 E
Stream Flow (volume) l/s	11.7	17.5	18.1	0.4

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

Habitat Assessment

- Site photographs accompany this report as a separate file.
- Site 2 (Scotchmans Creek at Regent St): Willows all removed (stags left in place), reducing overhead cover. Banks appear to be unstable. No revegetation as yet under the willows. Some regeneration occurring. In-stream vegetation increased. Rated Fair.
- Site 3 (Valley Creek at Regent St). More weeds along south bank. Good vegetation on north side, mainly native, unchanged. Rated Fair (downgraded from 2016).

Comments:

- The chemical indicators are Fair to Good except for Poor conductivity in the Fiander arm, and (as usual) Poor or Degraded phosphorus in the Fiander and Crosby arms.
- The habitats at Regent St are downgraded from 2016, due to the temporary damage following the removal of the willows, and increased weediness on the south verge of Valley Creek.

FGB 19/6/2017