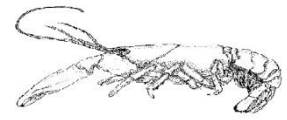




Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 20 July 2025

Scope

- Basic chemistry and ammonium tests at all sites.
- The Phenol Red reagent normally used for pH tests had been contaminated, so we used the Chlorphenol Red reagent instead.
- Dissolved Oxygen and Phosphate tests at downstream sites (YSC020 Scotchmans Creek and YVA100 Valley Creek).
- Flow measurement and/or observations at all sites.
- Habitat surveys at the downstream sites (YSC020 Scotchmans Creek and YVA100 Valley Creek).

Weather Conditions

Previous week: 7mm rain.

Previous 24 hours: Windy, 1mm rain.

During testing: Sunny, cold.

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	9.5	9.5	8	9.5
Water Temp C	10	10	9	8.5
pH	6.7 E	6.8 E	6.8 E	6.8 E
Oxygen Conc. mg/l			9.1 E	10.0 E
Conductivity E.C.	290 F	170 G	380 F	200 G
Turbidity F.T.U	12 E	12 E	13 E	18 F
Phosphorus, soluble ppm			0.042 F	0.039 F
Ammonium NH ₄ ⁺ ppm	0.00 E	0.30 P	0.07 G	0.00 E
Stream Flow estimate l/s	3.3	1.7	6.8	1.2

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

Habitat Surveys

Site YSC020 (site 2), Scotchmans Creek at Regent St. The bank and verge had very little change from last year. The numerical scoring was 28/40, rated Fair.

Site YVA100 (site 3), Valley Ck at Regent St. There was very little change from last year. The numerical scoring was 29/40, rated Good.

The habitat photosets are below.



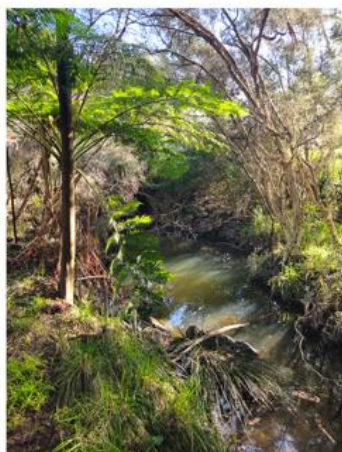
Site 2 Scotchmans Creek - Upstream_095904



Site 2 Scotchmans Creek - Instream_095910



Site 2 Scotchmans Creek - Downstream_095915



Site 3 Valley Creek - Upstream_103326



Site 3 Valley Creek - Instream_103332



Site 3 Valley Creek - Downstream_103343

Comments:

- Ammonium test result was high for site YSC012 compared to site YSC010, even though the stream flow for YSC010 was higher than that of site YSC012.
- Phosphorus results were rated Fair for both downstream sites.
- The habitat rating for Scotchmans Creek was Fair and similar to last year's score; very little change to the vegetation.
- The habitat rating for Valley Creek remains Good. There was very little change to the vegetation.