



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 24 July 2022

Scope

- Basic chemistry tests at all sites.
- Dissolved Oxygen and Phosphate tests at sites 2, 3 (Regent St)
- Ammonium tests at all sites.
- Flow measurement and/or observations at all sites.
- Habitat assessment at sites 2, 3 (Regent St)

Weather Conditions

Previous week: 5 mm rain, then midweek frosty nights and sunny days.

Previous 24 hours: 5 mm 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			13.5	13.5
Water Temp C	12.5	12.5	10	11.5
pH	7.5 G	7.1 G	6.8 E	7.0 E
Oxygen Conc. mg/l			9.3 E	9.0 E
Conductivity E.C.	320 F	160 G	210 G	180 G
Turbidity F.T.U	35 D	14 E	24 P	23 P
Phosphorus, soluble ppm			0.036 F	0.023 G
Ammonium NH ₄ ⁺ ppm	0.00 E	0.00 E	0.00 E	0.00 E
Stream Flow estimate l/s	31.5	7.0	113.8	3.1

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

Habitat Assessments

Site 2, YSC020, Scotchmans Ck at Regent St. Dense, maturing vegetation on west bank (native vegetation) of very good quality. A lot of weeds along both banks, including ivy. Some non-native grasses. Some localised erosion on west bank. Considerable variation in stream width ranging from 0.5-3 m. Rated Fair.

Site 3, YVA100, Valley Ck at Regent St. South bank has extensive introduced weed cover. North bank and verge has good quality native vegetation. Good variety of in-stream riffles, pools and snags. No significant erosion, both banks are well vegetated. Rated Good.



IMG_7524 YSC020 Up



IMG_7525 YSC020 Across



IMG_7526 YSC020 Down



IMG_7530 YVA100 Up



IMG_7532 YVA100 Across



IMG_7531 YVA100 Down

Comments:

- Most of the physical/chemical indicators were Fair to Excellent at all the sites, except for turbidity resulting from overnight rain showers.
- The habitats at the downstream sites were rated Fair to Good. The verge vegetation is especially improved, but weeds remain on the creek banks.

FGB 24/7/22.