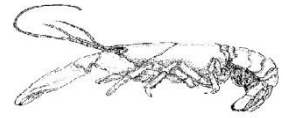




Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 23 July 2023

Scope

- Basic chemistry and ammonium tests at all sites. No pH or phosphorus were tested due to indicator unavailable.
- Dissolved Oxygen tests at sites 2, 3 (downstream sites).
- Flow measurement and/or observations at all sites.
- Habitat assessments at sites 2 and 3 (downstream sites).

Weather Conditions

Previous week: 3.5 mm rain.

Previous 24 hours: No rain.

During testing: Overcast.

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 | 10.5 | 10 | 10 | 10 |
| Water Temp C | 10 | 10 | 8.5 | 9 |
| pH | | | | |
| Oxygen Conc. mg/l | | | 7.9 G | 6.5 G |
| Conductivity E.C. | 930 D | 340 F | 660 P | 760 D |
| Turbidity F.T.U | 15 G | 7 E | 15 G | 11 E |
| Phosphorus, soluble ppm | | | | |
| Ammonium NH ₄ ⁺ ppm | 0.02 E | 0.00 E | 0.00 E | 0.00 E |
| Stream Flow estimate l/s | 8.4 | 12.7 | 8.5 | 0.0 |

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

Habitat Assessments

Site YSC020 (2), Scotchmans Creek downstream, Regent Street.
West bank vegetation growing well. Some new dianella plants at top of west bank. In-stream vegetation degraded/gone. The scoring was 28/40, rated as Fair.

Site YVA100 (3), Scotchmans Creek downstream, Valley Creek.
Weeds on south side thinned out. The scoring was 29/40, rated as Good.

The habitat photosets are below.



Comments:

- No pH or phosphorus measurements were taken as there was no chemicals available.
- Oxygen level was Good for Sites 2 and 3.
- Turbidity results were Good to Excellent for all sites.
- Conductivity reading was high for all sites.
- Ammonium results were Excellent for all sites.
- Habitat scoring for Sites 2 & 3 are steady.