



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 26 November 2023

Scope

- No aquatic invertebrate sampling at sites 1a and 1b (upstream sites).
- Basic chemistry and ammonium tests at all sites.
- Dissolved Oxygen tests at sites 1a and 1b (upstream sites).
- Flow measurement and/or observations at all sites.

Weather Conditions

Previous week: 27 mm rain.

Previous 24 hours: Sunny, 6mm rain.

During testing: Overcast, drizzle.

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	16.5	16.5	16.5	16.5
Water Temp C	17	17	17	16.5
pH	7.4 G	7.1 G	7.1 G	6.9 E
Oxygen Conc. mg/l	8.0 E	9.5 E		
Conductivity E.C.	140 G	90 E	120 G	110 G
Turbidity F.T.U	24 P	19 F	22 P	34 D
Phosphorus, soluble ppm	0.029 F	0.020 G		
Ammonium NH ₄ ⁺ ppm	0.01 E	0.00 E	0.00 E	0.00 E
Stream Flow estimate l/s	86.4	6.7	175.3	16.4

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

Comments:

- The scheduled invertebrates sampling (at sites 1a and 1b) was not done due to high water level, poor visibility, and fast flow from overnight rain.
- Streamflows were higher than normal. Measurements, made with floating twigs, tape measure and stopwatch, are approximate.
- Oxygen concentration at Sites 1a & 1b were Excellent.
- Conductivity reading was Fair to Degraded for all sites.
- Turbidity was Fair to Degraded for all sites.
- Phosphorus results were Fair for Site 1a and Good for Site 1b.
- Ammonium results were Excellent for all sites.

ML / FGB 1/12/23.