



## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

### Waterwatch Report 25 August 2024

#### Scope

- Basic chemistry and ammonium tests at all sites.
- Dissolved Oxygen tests at the upstream sites (YSC010, YSC012 (also called 1a, 1b)).
- Flow measurement and/or observations at all sites.

#### Weather Conditions

Previous week: Mild, cloudy, 12 mm rain.

Previous 24 hours: Sunny, no rain.

During testing: Overcast.

#### Water Quality Results

	<b>YSC010 Site 1A Fiander arm</b>	<b>YSC012 Site 1B Crosby arm</b>	<b>YSC020 Site 2 Regent St</b>	<b>YVA100 Site 3 Valley Creek</b>
Air Temp C	14.5	14.5	14.5	14.5
Water Temp C	13	13	15.5	15.5
pH	7.3 G	7.1 G	6.8 E	6.9 E
Oxygen Conc. mg/l	8.4 E	9.8 E		
Conductivity E.C.	610 P	130 G	180 G	220 G
Turbidity F.T.U	18 F	4 E	2 E	24 P
Phosphorus, soluble ppm	0.036 F	0.013 G		
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.02 E	0.07 G	0.03 E	0.00 E
Stream Flow estimate l/s	5.6	8.5	34.3	4.2

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

**Comments:**

- Flow in the YSC010 (Fiander Arm) was turbid (rated Fair) and there was an oily slick on the water surface. Despite this, the oxygen level was Excellent.
- The conductivity reading at Site YSC010 was Poor and that of Sites YSC012 (Glen Waverley drain), YSC020 (Regent Street) and YVA100 (Valley Creek) were Good.
- The turbidity readings at Sites YSC012 and YSC020 were Excellent (low results), but Poor for Site YVA100.
- The ammonium test results were obtained using new reagent (all sites were Good to Excellent). When samples from Sites 1b and 2 were tested with just expired (07/24) reagent, they gave readings of zero for both samples.
- It was noted that the amount of gravel/silt in the litter trap was significant. There was quite a bit of in-stream rubbish at both Sites YSC010 and YSC012.

MYL / FGB 25/8/24