



## Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

### Waterwatch Report 23 June 2024

#### Scope

- Basic chemistry 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.
- Habitat surveys at the upstream sites.

#### Weather Conditions

Previous week: Cold, partly cloudy, 1 mm rain.

Previous 24 hours: Partly cloudy, no rain.

During testing: Cold, sunny.

#### 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	6	6	6	6
Water Temp C	8	9	9.5	18.5
pH	7.1 G	6.9 E	6.9 E	7.1 G
Oxygen Conc. mg/l	6.0 G	10.0 E		
Conductivity E.C.	770 D	160 G	300 F	440 F
Turbidity F.T.U	21 P	3 E	12 E	14 E
Phosphorus, soluble ppm				
Ammonium NH <sub>4</sub> <sup>+</sup> ppm	0.00 E	0.00 E	0.00 E	0.00 E
Stream Flow estimate l/s	16.1	25.7	35.7	2.1

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

## Habitat Surveys

Site YSC010 (1a), Scotchmans Creek upstream of Crosby Drive/Turner Court. Verge vegetation is gradually improving. The numerical scoring was 22/40, rated Fair.

Site YSC012 (1b), Glen Waverley Drain. Bank and verge vegetation continues to recover. The numerical scoring was 26/40, rated Fair.

The habitat photosets are below.



YSC010 - Upstream



YSC010 - Instream



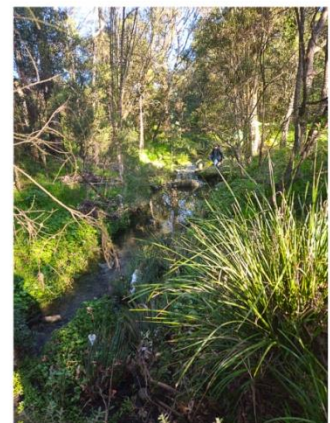
YSC010 - Downstream



YSC012 - Upstream



YSC012 - Instream



YSC012 - Downstream

## Comments:

- The flow at site YSC012 (Glen Waverley Drain) was unexpectedly high and clear (Excellent turbidity result).
- Conductivity at site YSC010 was unusually high (Degraded).
- We were unable to test the phosphorus level because we have used all the test reagent.
- The moderate temperature of the Valley Ck sample may have been caused by heating in the car bringing it back to the upstream site for testing.

FGB 25/6/24