



Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 18 June 2023

Scope

- Basic chemistry and ammonium tests at all sites. No pH or phosphorus were tested due to chemicals unavailable.
- Dissolved Oxygen tests at sites 1a & 1b (upstream sites).
- Flow measurement and stream observations at all sites.
- Habitat assessments at sites 1a and 1b (upstream sites).

Weather Conditions

Previous week: partly cloudy.

Previous 24 hours: Rained overnight, 9 mm recorded.

During testing: Overcast, intermittent 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	15	12	12	12
Water Temp C	11	11.5	10.5	10
pH				
Oxygen Conc. mg/l	9.3 E	9.6 E		
Conductivity E.C.	360 F	160 G	230 G	250 F
Turbidity F.T.U	42 D	13 E	30 D	34 D
Phosphorus, soluble ppm				
Ammonium NH ₄ ⁺ ppm	0.00 E	0.00 E	0.00 E	0.00 E
Stream Flow estimate l/s	37.6	66.5	58.3	16.2

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

Habitat Assessments

Site YSC010 (1a), Scotchmans Creek upstream of Crosby Drive/Turner Court.

Ivy covers the west bank at the upstream end of the site. Narrow verge coverage of native trees and bushes, flanked by paths and mown grass. The scoring was 20/40, rated as Fair.

Site YSC012 (1b), Glen Waverley Drain. Bushland revegetation continues to improve the banks and verge. The scoring was 26/40, rated as Fair.

The habitat photosets are below.



Comments:

- No pH or phosphorus measurements were taken as there was no chemicals available.
- Oxygen level was Excellent for Sites 1a and 1b.
- Ammonium level for all sites was Excellent (zero).
- Habitat scoring for Site 1a is the lowest (20) for several years; score for Site 1b is steady at 26.

ML / FGB 18/06/23.