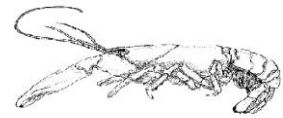




Friends of Scotchmans Creek and Valley Reserve Inc



Inc No A0037872K

Waterwatch Report 23 June 2019

Scope

- Habitat assessment at sites 1a, 1b.
- Basic chemistry tests at all sites.
- Dissolved Oxygen and Phosphate tests at sites 1a, 1b.
- Ammonium tests at all sites.
- Flow measurement and/or observations at all sites.

Weather Conditions

During testing: Cold, light fog.

Previous 24 hours: Cold, partly cloudy, 1 mm rain.

Previous week: Cold, partly cloudy, 26 mm rain.

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	6	6	6	6
Water Temp C	9	9.5	8.5	8
pH	7.7 G	7.3 G	7.0 E	7.1 G
Oxygen Conc. mg/l	10.0 E	10.0 E		
Conductivity E.C.	470 F	300 F	280 F	240 G
Turbidity F.T.U	25 P	14 E	26 P	21 P
Phosphorus, soluble ppm	0.075 P	0.078 P		
Ammonium NH ₄ ⁺ ppm	0.00 E	0.02 E	0.02 E	0.00 E
Stream Flow (volume) l/s	14.0	44.8	106.2	9.3

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

Comments on Water Quality Results

- The creeks were all flowing well, after the week's rain.
- These are generally good results, except for the usual light muddiness (turbidity) and high phosphate levels.

Habitat Assessment

Photographs illustrating the habitat typical of sites 1a (Scotchmans Creek) and 1b (Glen Waverley Main Drain) are shown below.



Site 1a upstream 20190623_095003



Site 1a across 20190623_095020



Site 1a downstream 20190623_095013



Site 1b upstream 20190623_095245



Site 1b across 20190623_095306



Site 1b downstream 20190623_095254

Comments on Habitat Assessments

Site ratings are derived from observations of Bank Vegetation, Verge Vegetation, In-stream Cover, Erosion & Stability, and Pools/ Riffles/ Bends.

- Site 1a, 23 June 2019. Very little in-stream vegetation, and continued deposition of sand and gravel along the site-area stream bed. Erosion appears more extensive than last year. Site rating unchanged, Fair.
- Site 1b, 23 June 2019. In stream vegetation patchy but reasonably extensive. Active erosion and deposition occurring along the site area. Verge and bank vegetation still extensive and of reasonably good quality. Site rating unchanged, Fair.