

2019 Waterwatch Water Quality Site Summary Report

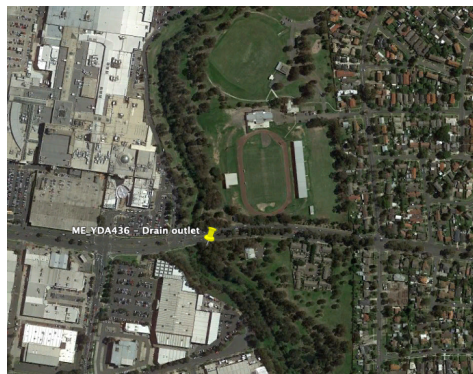
Site Name, Code and Description

ME_YDA436 Darebin Creek, drain outlet into creek, downstream Murray Road/Southern Road bridge, Preston/Heidelberg Heights.

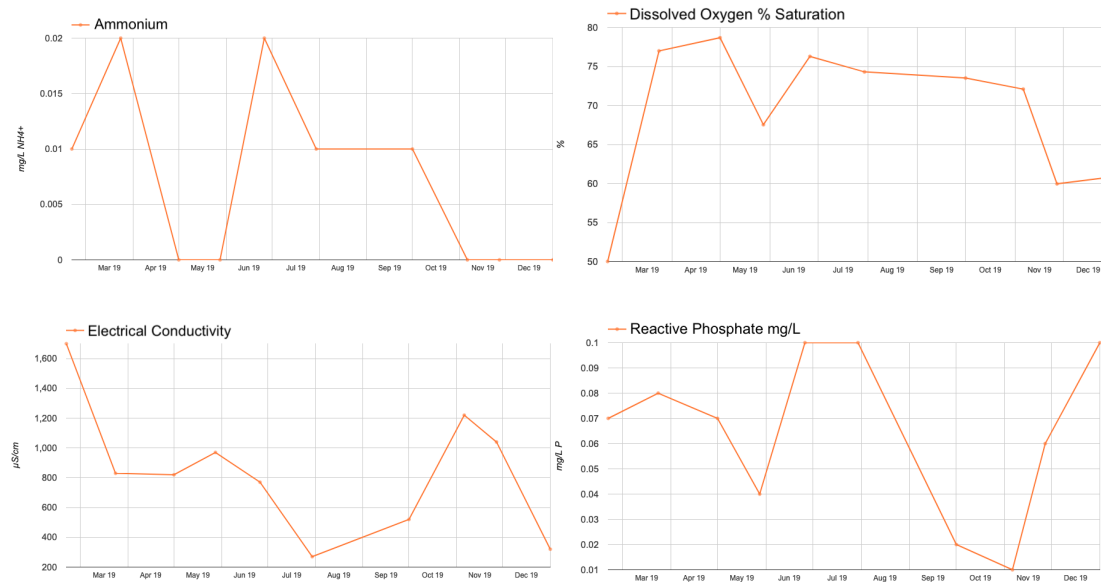
Monitors: Alana Cormican, Alisa Fisher, Anna Ischenko, Jenny Tellez, Kostas Andriotis, Patrick Kiploks, Peter Timmermans, Shan Zhu, Wendy Miller.

Objectives

- Track the levels of turbidity and phosphate in Darebin Creek over time.
- Determine how much pollution is contributed to the Creek by this drain
- Identify potential pollution source points.
- Involve and educate the community in water monitoring.



Physico Chemical Tests 01/01/2019 to 31/12/2019



Monthly Parameters (and unit of measurement)

- Air & Water Temperatures (°C)
- Dissolved Oxygen (mg/L)
- pH
- EC or salinity (µS/cm)
- Turbidity or muddiness (NTU)
- Reactive Phosphate (mg/L)
- Ammonium (mg/L)

To look at further water quality data for this site (using site code: ME_YDA436) visit the [Waterwatch online database](#)

Site Introduction

Darebin Creek flows along a 50 km course from its headwaters in farmland north of Woodstock, through a number of highly urbanised suburbs until it reaches the confluence with the Yarra River. It often sees polluted water coming through the stormwater system. Previous events have involved high turbidity (muddiness), surfactants (detergents) and pesticides. [These events have sometimes caused fish kills.](#)

Summary

Ammonium levels were above 0.0 mg/L on five occasions in 2019

Dissolved Oxygen was at a minimum low level of less than 60% on two occasions

Conductivity levels were above 1000 µS/cm on three occasions

PH levels varied between 6.9 and 7.7 and averaged at 7.5

Phosphate levels were at 0.1 mg/L on three occasions in 2019

Turbidity was higher than 9 on 4 occasions

Date	N mg/L NH4+	D.O. %	EC µS/cm	pH pH Units	rP mg/L P	Air °C	Water °C	Turb NTU
20/01/2019	0.01	50.00	1700	7.4	0.07	24.0	21.1	9.0
24/02/2019	0.02	76.99	830	7.6	0.08	25.0	20.0	9.0
31/03/2019	0.00	78.68	820	7.7	0.07	15.2	14.5	17.0
28/04/2019	0.00	67.53	970	7.7	0.04	13.6	13.6	10.0
26/05/2019	0.02	76.28	770	7.4	0.10	13.3	13.1	15.5
30/06/2019	0.01	74.30	270	7.3	0.10	12.2	12.0	24.0
1/09/2019	0.01	73.51	520	7.6	0.02	14.0	11.5	9.0
6/10/2019	0.00	72.09	1220	7.7	0.01	24.1	16.6	9.0
27/10/2019	0.00	59.95	1040	7.7	0.06	16.1	15.2	9.0
1/12/2019	0.00	60.85	320	6.9	0.10	13.7	16.0	9.0
ME-YDA436 /x	0.007	69.02	846	7.5	0.07	17.1	15.4	12.1