Waterwatch

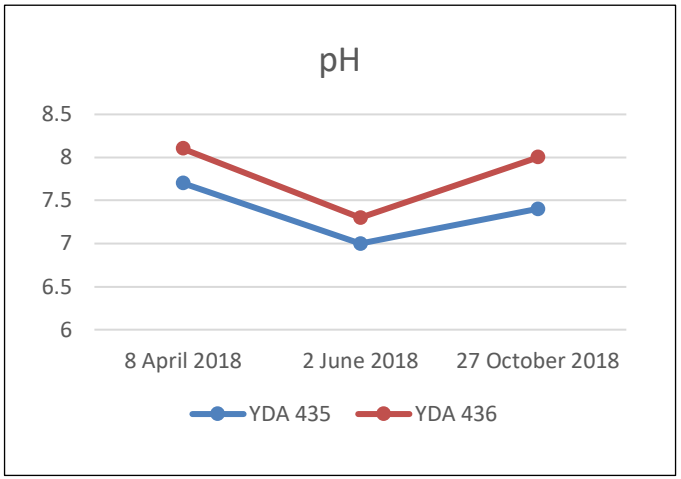
2018 Water Quality Site Summary

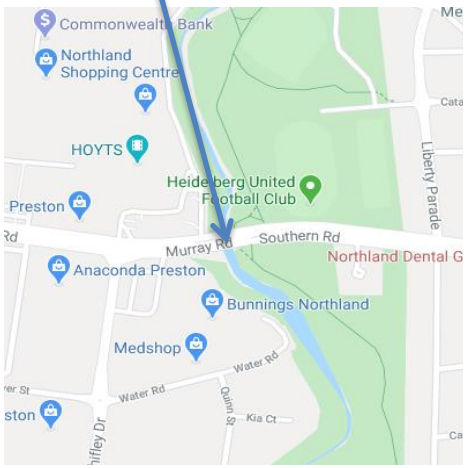
Site Name and Description

ME_YDA436 Darebin Creek, stormwater drain at Murray Road/Southern Road bridge, Preston/Heidelberg Heights.
Monitors: Ebina Siby and Irena Casserati.

Objectives

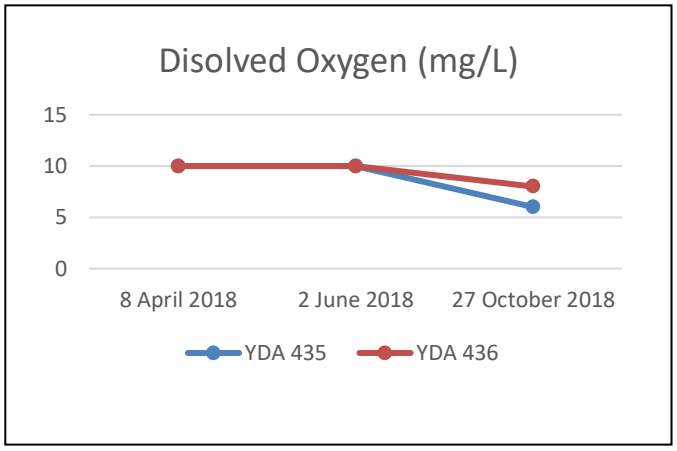
- Create a longitudinal data set of water quality
- Gather data on the potential effects this drain is having on the water quality of Darebin Creek
- Reporting to the EPA major pollutants that have resulted in historical fish kills.





Monthly Parameters

- Temperature
- Dissolved Oxygen
- pH
- Electrical conductivity (Salinity)
- Turbidity
- Reactive Phosphate
- Ammonium



To look at other year's water quality data for this site and other sites, visit the Waterwatch online database putting the site code ME_YDA436 in the search engine.

Site Introduction

This site often sees polluted water coming through the stormwater system. Previous events have involved high turbidity (sediment), surfactants (detergents) and pesticides. These events have sometimes caused fish kills. Waterwatch samples slightly upstream of this stormwater drain to allow for a comparison of the two sites in an attempt to discern the effect of the stormwater drain on the water quality of this section of Darebin Creek.

Summary

Please refer to the YDA435 2017 Water Quality Site Summary for further information about the Waterwatch site slightly upstream of the stormwater drain on the Darebin Creek.

Sites YDA435 and YDA436 were monitored three times in 2018.

Ammonium was 0 at both sites on all dates monitored except in April when it was found at 0.02mg/L at the creek site and was not found in measurable amounts within the stormwater drain, suggesting a dilution effect on this occasion.

On all 3 occasions, the level of pH measured was higher at the stormwater drain site. All results are within normal levels.

Disolved oxygen levels sat at around 10mg/L (normal) however in October it was 6mg/L at YDA435 & 8mg/L at YDA436 suggesting that the stormwater drain can aid in oxygenating the water if it is flowing.