

## Understanding current Water Sensitive Urban Design (WSUD) infrastructure in Georges River Catchment

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Distributed and green urban drainage infrastructure known as Water Sensitive Urban Design (WSUD) is increasingly being implemented in cities globally to combat climate change and urbanisation effects. Sydney is one of the first cities in the world that started building these systems, but due to the inconsistent and unmethodical approach to implementation of WSUDs, locations, designs and performance of many of these systems are unknown. This project is aimed to create database of WSUD assets within Georges River Catchment, with detailed GIS map of locations of different types of assets (biofilters, rain gardens, wetlands, green roofs, etc.), and determine detailed design specifications of WSUDs, along with age and current state. This database is expected also to contain any existing performance measurements of these assets (stormwater treatment and retention) and any available water quality data linked with particular WSUD system.