

Kardinia Park

Storm Water Harvesting & Re-use

PROJECT COST
\$1,100,000

1.7 million litres OF
STORMWATER IS STORED
UNDER THE GROUND IN
FRONT OF YOU



- Rainfall falling on a 30 Hectare urban catchment of Geelong was flowing directly to the Barwon River via an 825mm brick pipe running through the centre of Kardinia Park.
- This storm water is now diverted through a treatment process and stored underground replacing the mains drinking water as the primary source of turf irrigation for Kardinia Park's active and passive spaces.

Storage volume will irrigate 90% of the demands of **3 SPORTING OVALS**
...SAVING **13 MILLION LITRES PER YEAR** of drinking water

Water captured in this storage comes from;

- > The streets and carparks of **30 Hectares** of Geelong
- > The **roofs** and playing surface of **Skilled Stadium**
- > Pool backwash from **Kardinia Aquatic Centre**

Construction

The excavation was **4.5m deep**, 65m long and 25m wide



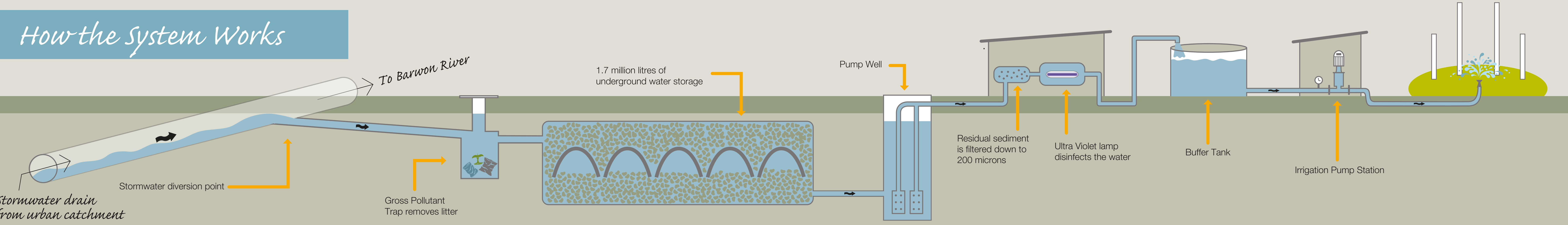
1km of plastic chambers are buried in **4000 tonne of rock** encased in a high density plastic liner



50% of water is stored in the plastic chambers. **50%** of water is stored in the cavities between the rocks.



How the system Works



This Storm Water Harvesting and Re-Use Project is funded through the Australian Government's *Water for the Future* initiative and the City of Greater Geelong, 2011.

