

St. Elmo's Drain Gross Pollutant Trap (GPT)

This Gross Pollutant Trap (GPT) is located in St. Elmo's Drain, downstream of North Street Bridge in Fairfield. St Elmo's Drain joins Orphan School Creek approximately 450m downstream of this location. The purpose of the GPT is to collect all gross pollutants from the upstream catchment of area of approximately 220 ha.

The project included the design and construction of a GPT to trap litter, and provide bank protection and landscaping works. The GPT installed is an 'off line' 3018R CDS unit. The total cost of the project is \$ 255,000 and includes 12 months maintenance work after completion of the project.

The CDS unit uses 'self cleaning screens'. The CDS technology harnesses hydraulic energy in the flow to create a self-cleaning force against the screen face, which deflects pollutants away from the screen and into the center of the device which then settles into the sump below.

Sixteen tonnes of litter has been removed from the GPT during the first nine months of operation.



Before

After

