

Burns Creek Restoration Project

This project is an example of a “pool and riffle” system constructed very close to residential properties.

In 1996, Council carried out flood mitigation works to improve the hydraulic carrying capacity of the creek, lowering flood levels by almost a metre. In 1998, the second stage of the project was constructed to address the water quality and environmental issues. The total length of this project was just over 200 metres and consists of two pools and two riffles.

Prior to the works commencing, over three and a half thousand aquatic plants were removed and transplanted back into the creek after the completion of the engineering works.

Landscape plans for the overbank areas were prepared, with particular attention paid to density and shade issues. The planting was designed to enhance the water quality objectives, without compromising flood flows and levels.

In an urban setting it is important to create something that has a sense of place and will be valued. People should be encouraged to experience the stream environs, whether it be just driving past and catching a glimpse of the stream through the trees, or by allowing areas where people can walk down to the waters edge and appreciate it for its intrinsic beauty.



Before - the overgrown channel

After - the complete pools and riffles

