

<p>Officer responsible Water Services Manager</p>	<p>Author Christine Heremaia, Restoration and Protection Team Leader</p>
<p>Corporate Plan Output: Waterways and Wetlands Restoration (Vol 111 p9.3.40)</p>	

The purpose of this report is to provide an information update on the proposed waterway restoration of Old Lake Outlet, a project that has been identified as a priority one within the Water Services Unit’s ‘Waterway Enhancement Programme’.

Old Lake Outlet is approximately 400 metres in length and links Horseshoe Lake to the Avon River. It passes through Horseshoe Lake Reserve and is located adjacent to 21 residential properties. Please refer to the attached map for its location (*see page 27*).

Preliminary work started on the project in early 1996 with considerable background work being carried out in respect to land ownership, titles, physical and cultural history of the site, vegetation and soil mapping and water quality testing. Residents have been consulted regularly through individual interviews, questionnaires and workshops.

A major hurdle to the restoration was overcome in mid 1998 when after several trials a fresh water flow was restored back into the creek from the Avon River via an existing pipe under New Brighton Road. The flowing water has improved water quality, habitat and the visual appearance of the stream. This has encouraged the residents to become fully involved with the restoration project.

While the trials were being carried out, the focus of the work shifted to the establishment of a demonstration site in the triangular parcel of Horseshoe Lake Reserve between Reaby Street and the pump station on New Brighton Road. This area was relatively neglected apart from regular mowing of the open lawn areas. Work in this area has now been completed and consisted of a major site clean up, planting, replacing the paling fence around the pumping station with a see-through fence and the construction of paths and seating.

The local residents have agreed to an overall design for Old Lake Outlet. The waterway has since been divided into three stages with Stage One being the first stage. Stages 1 and 2 consist of that area between the residential properties and stage 3 that area within the reserve. Please refer to the attached plans.

Consultation with the individual land owners in Stage One is now occurring as part of the process prior to implementation. Work includes detailed design work and the implementation of conservation covenants on those properties where enhancement work will be carried out.

The cost of the project is estimated to be \$95,000 and will be staged over three years.

Chairperson’s

Recommendation: That the information be received.