



I recently provided a technical report to Auckland Council on the in stream ecological benefits of Project Twin Streams restoration project focusing on tributaries of the Henderson Creek Catchment. Unlike previous reporting, I compared how Project Twin Streams (PTS) sites compared to Auckland Council's State of the Environment (SOE) monitoring sites to provide a regional context.

The PTS sites did show better water quality for some determinants however this has not translated into improved ecology above the SOE sites.

The findings of this report are provided in this years NZWWA stormwater conference.

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Environmental Impact Assessments Ltd (EIA Ltd)

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Newsletter



ENVIRONMENTAL IMPACT ASSESSMENTS LTD

RESIDENTIAL DEVELOPMENTS

We recently assessed a new culvert for its suitability for fish pass on behalf of 3rd Fairway Developments Ltd. The new culvert includes a spat rope as well as surrounding rock rip rap to stabilize the surrounding stream banks and provide fish passage.

After the culvert was installed, we noticed Banded Kokopu had already migrated above the structure, a good sign that the culvert is performing to its required specifications. The upper and lower ends of the culvert are currently being subject to riparian plantings to help stabilize the stream works as well as provide cover and shading for the in stream biota.

We also undertook a vegetation assessment for Opus International Consultants in support of a residential development in Albany.

We have also provided peer review of ecological impact assessment reports for various resource consent applications in the Auckland Region on behalf of Auckland Council.

CARTERTON DISTRICT COUNCIL WATER SUPPLY AND WASTE WATER TREATMENT

We have recently been contracted to assess the effects of Carterton District Council's water supply and wastewater treatment plants. This has been a unique opportunity to examine water use and treatment by the one agency.

NAPIER CITY COUNCIL COASTAL SEWAGE AND STORMWATER CONSENT PROJECTS

We continue to provide expert advice to Napier City Council regarding effects of their coastal sewage outfall on the marine environment plus effects of urban and rural stormwater discharges to the sensitive Ahuriri Estuary.

We have also been contracted by Landcorp NZ Ltd, to investigate the effects of Ahuriri Farm on the estuary.

BLACKBRIDGE ENVIRONMENTAL PROTECTION SOCIETY

I recently provided expert evidence to an Auckland Council Hearing on behalf of the Blackbridge Environmental Protection Society. The hearing ruled in favour of the society on the grounds that the proposed landfill development would have more than minor effects on a small stream that would adjoin the development. Freshwater mussels found in the stream are particularly sensitive to heavy metals that could leach down gradient of the landfill depression.

LITTLE ONEROA STREAM BACTERIOLOGICAL STUDY

We are currently investigating the bacteriological water quality of the Little Oneroa Stream as this stream has had a history of poor water quality and poses a risk to human health owing to its proximity to a public play ground as well as a bathing beach. We are undertaking stream gaugings, as well as flow estimates from stormwater inputs during storm events to understand the relative contaminant inputs. E.coli bacteria, fluorescent whitening agent and faecal sterol testing is also being undertaken to understand the relative contaminant inputs to this stream.