



## ENVIRONMENTAL IMPACT ASSESSMENTS LTD

Hi my name is Brett Stansfield of EIA Ltd which is a small environmental consultancy specialising in:

- freshwater quality
- data analysis
- environmental impact assessments
- resource consent advice

I am a freshwater macroinvertebrate taxonomist and have extensive experience in environmental data analysis and technical report writing.

If your business needs:

- assistance with obtaining a resource consent
- you are interested in training on water quality
- analysis of environmental data,

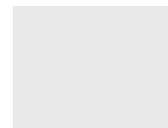
Give me a call on (021) 1104 814 or email [eia@actrix.co.nz](mailto:eia@actrix.co.nz) to discuss your needs.

I look forward to working with you in the future.

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# Environmental Impact Assessments Ltd (EIA Ltd)

June 2015  
Newsletter





# ENVIRONMENTAL IMPACT ASSESSMENTS

## CLEAN STREAMS ECOLOGICAL RESTORATION PROGRAM

I recently reviewed the ecological improvements of a selected small streams of the clean streams monitoring program for Waikato Regional Council.

The results are encouraging with 4/6 sites showing statistically and ecologically meaningful improvements to aquatic ecosystem health. The greatest improvements seem to occur in the smaller catchments of very low stream order. Some recommendations have been made to improve the overall monitoring of this restoration program. NIWAs ecological restoration toolkit has been most helpful in this regard.

The two photos above and the cover photos show the wonders of a single hot wire fence and how this can be used to improve habitat quality of a small stream.

PS we have a new logo, I hope you like it.

## AUCKLAND COUNCIL GROUNDWATER QUANTITY STATEMENT

I have prepared a draft state of the environment report for Auckland Council with respect to water quantity. This has been co authored by three council officers and is currently undergoing peer review.

## AUCKLAND COUNCIL STREAM RESTORATION PROJECTS

I have been undertaking aquatic macroinvertebrate taxonomic analysis for two Auckland Council stream restoration projects. The La Rosa Stream in Henderson has been subject to some day lighting with the removal of 200m of underground piping as well as significant riparian restoration while the Oakley Stream has had some baseline monitoring undertaken prior to any restoration works commence.

## AUCKLAND UNIVERSITY OF TECHNOLOGY GUEST LECTURES

I recently provided guest lectures, field trips and a laboratory seminar to stage 3 students of AUTs Limnology and Environmental Monitoring and Risk Assessment classes. The topic was on water quality and ecology monitoring of streams. I hope to also provide this to Unitec's equivalent course next year.

## CANTERBURY REGIONAL COUNCIL PLAN VARIATION 1

I recently prepared and presented expert evidence on behalf of Fish and Game North Canterbury and the Forest and Bird Protection Society regarding Canterbury Regional Council's Plan Variation 1. The prime concern is protection of water quality and habitat of the Te Waihora / Lake Ellesmere catchment, which may be subject to a further 30,000 Ha of irrigation in what is already a severely over allocated and sensitive catchment.

## KEREPIHI WASTE WATER TREATMENT PLANT

I recently completed a technical report investigating the ecological effects of a small waste water treatment plant on the Kerephi stream and Piako River. This is for a consent renewal.

## MACROINVERTEBRATE BIOMASS ESTIMATOR TOOL

I have been working with Unitec and Cawthron Institute in developing a macroinvertebrate biomass estimator macro that will provide useful information for Councils to assess the sports fishery value of selected river catchments. This is expected to be released in September.