



Lake Baroon

The Lake Baroon Catchment Landslip Program

Seqwater is working in partnership with Lake Baroon Catchment Care Group to manage water quality in the catchment to ensure a safe and secure supply of drinking water for the Sunshine Coast.

The purpose of the project is to reduce sediment delivery to Lake Baroon and to manage water quality delivered to Landers Shute Water Treatment Plant.

About the project

- Landslips are the major cause of erosion in the Lake Baroon catchment, resulting from historical deforestation.
- Seqwater and the Lake Baroon Catchment Care Group work with private landholders to stabilise landslips on their properties, through reforestation and drainage management.

Managing landslips to **maintain water quality** for future generations.



An Seqwater project in partnership with Lake Baroon Catchment Care Group.



Lake Baroon Catchment Care Group

Working with our community...for our waterways

Project name:	The Lake Baroon Catchment Landslip Program
Project manager:	Lake Baroon Catchment Care Group
Project contact email:	julian.omara@Seqwater.com.au
Catchment:	Baroon Pocket Catchment
Timing:	2015 and ongoing
Project Location Latitude	-26.709424
Project Location Longitude	152.870459

- Categories
- Community and Education
- Erosion and Sediment Control**
- Land Management
- Litter Clean up
- Revegetation
- Science and Research
- Stormwater
- Wastewater
- Water Sensitive Urban Design

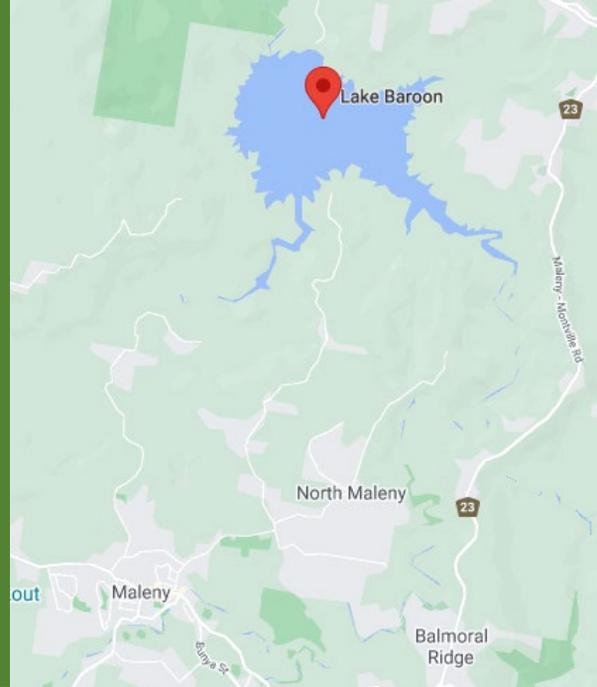
Why this project is important

Seqwater is responsible for delivering safe, secure and cost-effective bulk water supply for more than three million people across South East Queensland. This all starts at the 'source', where rain falls on our catchments, makes its way through our waterways and onto a water treatment plant.

Seqwater practices a multi barrier approach to water treatment, where the first barrier is in the catchment. Therefore Seqwater has established a range of programs across SEQ to manage hazards that impact water quality. The key hazards include microbial pathogens and sediment.

While Seqwater is the second largest landholder in SEQ, it still only owns 5% of the catchment and therefore relies on collaboration with private landholders to manage hazards stemming from the remaining 95%.

For the foreseeable future, our region will rely heavily on surface water for our drinking water supply. Therefore, it is important that we act to manage our catchments and ensure future generations have equal access to this resource.



Objectives

The primary objective of the project is to reduce sediment delivery to Lake Baroon and Landers Shute Water Treatment Plant.

Landslips contribute 76% of all sediments delivered to Lake Baroon, with slips identified on 30 properties across an area of ~3.2km².

A reduction in sediment delivery to the lake is achieved through the stabilisation of landslips across the catchment, through the use of revegetation and improved drainage.

Outcomes

Seqwater and Lake Baroon Catchment Care Group have been working on a prioritised investment program for eight years, targeting landslips contributing the highest amount of sediment to the lake and water treatment plant.

To date, we have invested approximately \$1.9M across the catchment. This has included:

- Over 50,000 trees planted on 56 hectares.
- Working with 16 landholders.
- Fencing more than 17km of landslips to improve stability by managing stock access.
- 57Ha of weed management.
- 27Ha of improved drainage and more than 5km of improved access tracks for stock and vehicles.

The program has a long timeframe and requires ongoing work to ensure vegetation is well established and any interventions, such as drainage, are still operable.

Seqwater and LBCCG have also implemented a range of research projects to assist in prioritising areas for work, and have a robust monitoring program in cooperation with the University of Technology.

In addition to this program, Seqwater and LBCCG also deliver a waterway improvement program, increasing vegetation and managing weeds and an agricultural improvement program.