



Completed site works at Priest Gully.

Priest Gully Bank Stablisation Project

Priest Gully Park is a high use recreational park along Priest Gully creek within the City of Logan. The creek has experienced significant erosion due to the deepening and widening of the creek line over time.

The site was identified within in the *Lower Brisbane-Redlands Coastal Catchment Action Plan 2018-2021*, as one of ten priority waterway reaches with significant creek bed and bank instability leading to increased erosion and sedimentation downstream. As such, the *Catchment Action Plan* recommended on-ground works including bank stabilisation, riparian and instream rehabilitation and weed management.

Works aimed to provide long term stability to the Priest Gully creek line and prevent sedimentation downstream. Project works included battering of eroded banks, installation of grade control structures and 3,000m2 of riparian revegetation.

About the project

- Long term erosion protection for Priest Gully.
- Reduction in sedimentation downstream.
- Remediation of 3,000m² of riparian habitat, including planting of 3,000 tube stock to assist with bank stabilisation.
- Reinstatement of habitat within biodiversity corridor.

Enhancing
and
rehabilitating
of local
waterways.



Council of Mayors

South East Queensland

A Resilient Rivers Initiative delivered by Council of Mayors (SEQ) in partnership with Logan City Council.



Project name:	Priest Gully Stablisation Project
Catchment:	Lower Brisbane-Redlands Coastal Catchment Action Plan
Timing:	December 2020 – June 2021
Project Location Latitude	-27.5936432
Project Location Longitude	153.1419383

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

Priest Gully is a high use public park which was in an extremely poor condition with areas of significant erosion, little to no native vegetation coverage, poor waterflow and quality and significant weed infestations. The creek line is within the Logan City Council biodiversity corridor and links to Daisy Hill Conservation Park.

The project outcomes support delivery of the *Lower Brisbane-Redlands Coastal Catchment Action Plan 2018-2021* as well as Logan City Council's *Rivers and Wetlands Recovery Plan*.

Local catchment officers work in partnership with councils, utility providers, community groups and private landowners to ensure the successful delivery of these works.



Priest Gully site during works

Objectives

The primary objective of this project was to reduce erosion, sedimentation and weed coverage within Priest Gully Park whilst improving native vegetation coverage and habitat linkage.

Outcomes

Construction works included reprofiling of existing areas of significant erosion with areas of rock protection installed to mitigate future erosion.

Weed control and revegetation works took place across the entire 2,500m² section of creek bank to ensure long-term bank stability and improvement of water quality.

Riparian revegetation included approximately 3,000 native tube stock including native grasses and small shrubs. A variety of vegetation species were used to ensure flora diversity and adequate root structure within the embankment. Being a high-use park, this has also provided improved visual amenity within the park allowing for the public to interact with nature.

Flow-on effects for the broader Lower Brisbane-Redlands catchment area include reduced sediment in waterways, increased landowner education, and better management of our waterways.