

# Slacks Creek Restoration Project (SCRIP)

## Shailer Pioneer Park Wetland and Riparian Restoration



*Shailer Pioneer Park Wetland*

Logan City Council is a local government body responsible for managing a large area between Brisbane, Ipswich, Redlands and the Gold Coast. Currently, Logan is one of the fastest growing cities in Australia with a strong vision to become an innovative & dynamic city of the future. Logan City Council prides itself on ensuring that the community's needs are at the core of every decision they make.

### PROJECT SUMMARY

The Water and Carbon Group (WCG) was engaged to deliver a storm-water treatment solution within a unique, low-lying council parkland (Shailer Pioneer Park). Since completion, the project has developed into a high-value environmental precinct, integrating rehabilitated riparian zones with a wetland and the existing adjacent sporting amenities. The effective integration was pivotal to delivering value to the community. Similarly, the project has facilitated public recreation, awareness, knowledge and understanding of the inherent values of a wetland system in water quality improvements.

**1 ha**

of reforestation completed throughout the project.

**3 year**

duration of project. From planning to completion.

**50 + species**

incorporated into the riparian restoration.





*Completed wetland in early growth stage*



*View of scenic bridge upon wetland completion*



*Wetland design*



*View of mature wetland from scenic bridge*

## SOLUTION

WCG designed and constructed a high-density treatment wetland system in 2014. The system was designed to:

- Maximise the parkland as a community asset to create an environmental precinct, (featuring a wetland and forest adjacent to active recreational space);
- Improve the quality of the water entering the Logan River through the treatment and reduction of pollutant loads;
- Deliver a show case 'Water Sensitive Urban Design' (WSUD) project for the Council;
- Provide guidance and training to key council staff in the delivery of stormwater wetlands;
- Enhance local ecology by improving in-stream and riparian habitats;
- Be cost-effective and as low maintenance as possible;
- Employ locally indigenous species, and address issues such as safety and the risk of mosquitoes and cane toads. The bio diverse revegetation is to buffer the Arboretum that will offer multiple land use benefits.

## OUTCOMES

As of 2018, the project is still ongoing with regular monitoring and maintenance taking place. The project appears to be exceeding expectations despite being affected by additional flooding, frost damage and seasonal dry weather. Despite the setbacks, the project has been completed to an extremely high quality, whilst staying within its budget and time constraints.