# WAMURAN IRRIGATION SCHEME PROJECT NEWSLETTER

November 2022





# About the project

The Wamuran Irrigation Scheme will support the region's growth by sustainably managing wastewater from Unitywater's Caboolture South Sewage Treatment Plant (STP) to deliver Class A recycled water to farms in the Wamuran region.

In its first stages, the Scheme will deliver about 2.6 gigalitres of recycled water each year – the equivalent of 1050 Olympic swimming pools – to five farming operations in the region. As the population grows and the supply of Class A recycled water increases, more will be distributed and more growers from the region will be able to access the Scheme.

## **Project need**

This Scheme plays an important role in balancing population growth and sustainability.

The Wamuran Irrigation Scheme will see 11 tonnes of nitrogen and 1.8 tonnes of phosphorous diverted away from the Caboolture River each year.

## **Construction update**

Unitywater has made great progress over the last 10 months of construction. When completed, there will be 22km of pipe in the ground, supplying Class A recycled water to farms in the Wamuran region.

- Over 50 per cent of the new pipe has been laid.
- We have installed pipe up to 26 metres underground by using the latest drilling technology.
- A concrete slab at Moodlu Quarry will soon be poured ready for a 3 megalitre (3 million litres!) balance tank, which will store the treated recycled water before being distributed to farms.

Around 150 construction workers are currently on site across multiple work areas from Caboolture to Wamuran. Many of the team are local to the Moreton Bay region, with others travelling from the Sunshine Coast and Brisbane. Team members can be seen grabbing a coffee from their favourite spots along the way and at lunch time along King Street and in Wamuran, supporting local businesses.

To keep our team and the community safe we ensure traffic management and signage is in place around our work sites and construction zones.

Please be assured that our team is committed to minimising disruption to the local community for the duration of our work.

## **Project Timeline**

Start concept and design feasibility March 2020

**Start Construction** February 2022

Finish Construction Late 2023 **Govt. Approvals** Early 2024

Supply to farms

Supply to farm Mid 2024



For construction enquiries:

Call: 1300 629 170

Email: wamuran@pensar.com.au



Moodlu Quarry Pump Station - Artists' impression

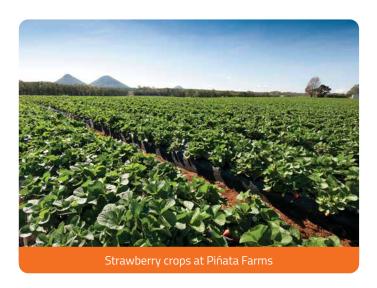
### About the crops

Unitywater has considered a diverse range of crops, with an even mix of seasonal and day/night water requirements, so the scheme can maximise daily usage and cater for peak demands.

Initially, those set to benefit from the scheme include a number of raspberry, strawberry, pineapple, avocado and turf farmers.

The Class A recycled water produced by the Scheme will go through a rigorous treatment, disinfection and testing process before being used to irrigate crops.

Unitywater is working closely with Queensland Health and the Department of Regional Development, Manufacturing and Water to ensure it complies with all state and national public health and food safety regulations as the Scheme progresses.



#### What's next?

#### Before the end of 2022

- Installing pipe by drilling under Caboolture State High School.
- Finishing off open trench works through the Wamuran area, reinstating to a similar condition to before works started.

#### **Early 2023**

- Installing pipe under the Caboolture River using the latest underground drilling techniques.
- Installing pipe by drilling under the Caboolture rail line.
- Open trenching and drilling in the Caboolture area to install underground pipes.
- Finishing construction of a floating pump station in Moodlu Quarry.
- Building a 3 megalitre balance tank at Moodlu Quarry.
- Completing the distribution pipeline (by April 2023).

#### After construction finishes

- Unitywater will enter a 13 week monitoring and validation period, to demonstrate reliable operation of the entire Scheme.
- Regular water quality testing will take place to make sure the treated water is safe to irrigate onto crops.

Unitywater is working closely with Queensland Health and the Department of Regional Development, Manufacturing and Water to ensure it complies with all state and national public health and food safety regulations.

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