

Upper South Creek Networks Program



Cosgroves Creek and Agribusiness Project

Community Update – March 2024

Greater Sydney's population is forecast to reach 8 million people over the next 40 years, with approximately half of those people expected to be living in western Sydney.

We are investing now to transform and integrate our water, wastewater, stormwater and recycled water systems to ensure we can continue to provide safe, reliable and affordable services to customers as the region continues to grow. This will help respond to the effects of climate change and ensure the health and amenity of Greater Sydney's beautiful waterways.

By 2056, it is estimated 90,000 new dwellings and 200,000 jobs will be in the Upper South Creek Catchment region. The Upper South Creek Catchment will also include innovative precincts focused on advanced manufacturing, technology, research, training and education, freight and logistics, agribusiness and mixed-use development.

To support growth in the region, Sydney Water is delivering an Advanced Water Recycling Centre (AWRC) at Kemps Creek. It will help provide cost-effective wastewater services, produce high-quality treated water for sustainable, non-drinking water reuse in homes and businesses, biosolid products for use in agriculture and help keep western Sydney cooler and greener.

We are also delivering infrastructure to transfer wastewater from the region to the new AWRC as part of the Upper South Creek Network (USCN) program.

Upper South Creek Networks Program

The USCN program will provide wastewater infrastructure to the five precincts in the Upper South Creek Catchment:

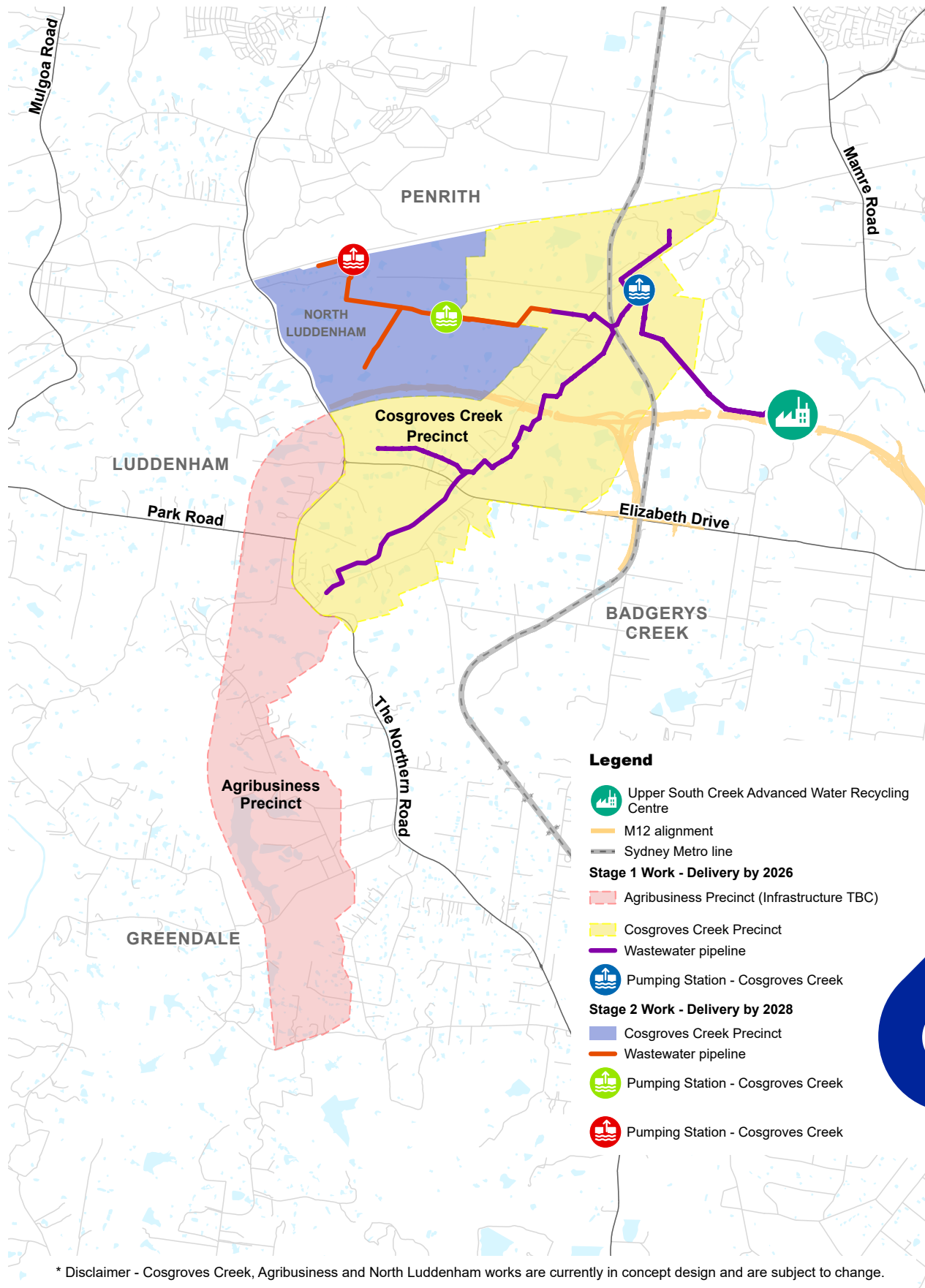
- Cosgroves Creek and Agribusiness
- Thompsons Creek
- South Creek
- Badgerys Creek
- Lowes Creek

The new wastewater infrastructure will service development in the area, including the Western Sydney International Airport and the surrounding suburbs. The infrastructure across the five precincts will be delivered over a 12-year period. The program will deliver over 93km of wastewater pipelines and around nine pumping stations across the precincts.

The new pipelines and pumping stations will transfer wastewater from the five precincts to the AWRC in Kemps Creek where it will be treated using reverse osmosis (the same technology that is used at the Sydney desalination plant).

The recycled water will also be available for use for a variety of agricultural and industrial uses, as well as contributing to the environmental flows within the surrounding creeks and rivers, protecting local waterways and aquatic ecosystems. For more information on the Advanced Water Recycling Centre, visit www.sydneywatertalk.com.au/uppersouthcreek.

Cosgroves Creek and Agribusiness Precinct Map



The Cosgroves Creek and Agribusiness Precinct

We are planning new wastewater infrastructure for the Cosgroves Creek and Agribusiness precinct. It will connect to Luddenham and parts of Greendale, Badgerys Creek and St Marys where there are no wastewater services currently available.

The Cosgroves Creek and Agribusiness project will be delivered in two stages. Splitting the project into stages allows us to prioritise the delivery of the infrastructure in the areas that will be developed first whilst also ensuring that the subsequent infrastructure is considered during the design process.

Cosgroves Creek Stage 1 is planned to be delivered by 2026. We have recently completed the design. This stage will include a pump station and 13.9km of wastewater pipeline.

Cosgroves Creek Stage 2 is planned to be constructed after the completion of Stage 1 and the design is now in progress. It will include two pumping stations located in North Luddenham and approximately 5.3km of wastewater pipeline. We aim to deliver this project by 2028.

Agribusiness Precinct is currently in design and will be constructed at the same time as Cosgroves Creek Stage 2. It will include one or two pumping stations and approximately 8km wastewater pipeline.



Servicing Western Sydney

Sydney Water is delivering essential infrastructure across the Western Sydney Aerotropolis Growth Area to support new growth and development. Some of our current work includes:

Stormwater management

The NSW Government appointed Sydney Water as the stormwater drainage authority for the Mamre Road precinct and initial precincts of the Western Sydney Aerotropolis. Sydney Water will undertake the planning, delivery and operation of regional stormwater infrastructure. Our plan is to integrate the stormwater with existing natural waterways and harvest it for irrigation of parks, flushing of toilets and keeping the Western Parkland City cooler and greener.

This approach takes a region-wide approach to stormwater management which will deliver the greatest benefit to the community and create a liveable and sustainable city. This work will continue to evolve in line with precinct development until about 2056.

For more information about this work and to get in touch with the team, please see www.sydneywatertalk.com.au/aerostormwater

Drinking water services

We are delivering drinking water infrastructure to service the initial precincts and future growth across the Aerotropolis. This infrastructure is being delivered in stages in line with priorities determined through discussions with councils, the Department of Planning and Environment and developers.

We have already delivered new trunk mains along Luddenham Road, Badgerys Creek Road and Elizabeth Drive, and work is currently underway to install new trunk mains at Kemps Creek.

Working with the community

Sydney Water is committed to working with the community to minimise impacts on the environment and the community. Throughout the delivery of this Program, we will continue to work with landowners along the alignment, local councils and key stakeholders to keep them informed and provide accurate and timely information about the Program.



Contact us

For more information about the Upper South Creek Networks Program or the Cosgroves Creek and Agribusiness project, please use the QR code below to view our project page at www.sydneywatertalk.com.au/uscnetworks.

You can also contact our community engagement team on **1800 010 083** or send an email to uscnetworks@sydneywater.com.au



If you need an interpreter, please call 13 14 50

Arabic | Chinese (Traditional) | Chinese (Simplified) | Spanish | Italian | Croatian | Sinhala | Nepali

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