

Visit our web page for a range
of site and product photos.



BOOKMARK CREEK REGULATOR UPGRADE

The revitalisation of Bookmark Creek Regulator, South Australia, has been successfully completed, delivering major environmental and community benefits. AWMA is proud to have supplied the specialist water control infrastructure at the heart of the project.

AWMA was engaged by Fulton Hogan on behalf of the Department for Environment and Water (DEW), to supply a custom-engineered 2-in-1 AWMA MultiBay LayFlat Gate and associated systems.

The regulator forms part of the \$37.6 million Sustaining Riverland Environments (SRE) Program, funded by the Australian Government through the Murray–Darling Basin Authority, supporting natural flow restoration, improved fish passage and long-term river health across the region.

Bookmark Creek is a 10-kilometre anabranch of the River Murray, that bypasses Lock 5, creating the opportunity for fast flowing habitat due to the 3m difference in pool level from upstream to downstream. Previously restricted flows limited ecological potential. The new regulator now provides precise water control, enabling flows up to five times greater, improving water quality and helping re-establish natural conditions.

Believed to be an Australian first, the structure integrates an inlet regulator, fishway, canoe

chute, canoe portage ramp and pedestrian bridge. AWMA's LayFlat Gate features a raised headstock, access walkway and hydraulic operation via a portable Hydraulic Power Unit (HPU).

This landmark project demonstrates how innovative engineering and collaboration can enhance ecological outcomes and community value. AWMA is proud to support DEW and Fulton Hogan in sustaining the Riverland's waterways.

Photo courtesy of Fulton Hogan

GENERALLY SPEAKING

As an established leader in water control solutions, AWMA remains committed to delivering world-class infrastructure that makes a substantial difference to communities, industries and the environment.

This edition of the newsletter showcases projects spanning water treatment, wastewater, stormwater, flood mitigation, environmental, irrigation and tunnelling applications, each one a testament to our team's capacity and experience.

While AWMA offers an extensive range of standard water control and screening products, our true strength lies in developing and delivering complex customised solutions. By tailoring design to the unique needs of each project, we deliver outcomes of high value and low risk, for both the client and the asset owner.

With over 25 years of experience and a period of strong, sustainable growth, AWMA is now a team of nearly 100 skilled water control specialists. This collective expertise enables us to deliver multiple high-complexity projects simultaneously, without compromising quality, safety or service.

Our partnership philosophy underpins everything we do. We believe the best outcomes are achieved through collaboration, engaging early with all stakeholders to ensure every project objective is understood and met, right through to commissioning and handover to the asset operations team.

AWMA has spent more than two decades building the knowledge, systems and capacity that underpin our current capability. Today, we are proud to be a trusted partner in delivering vital water management infrastructure, supporting a more resilient, sustainable future for all.



Brett Kelly
Managing Director

awma
Water Control Solutions



DEBRIS SCREENING FOR CLEANER STORMWATER

A recent stormwater upgrade in Queensland highlights AWMA's ability to deliver technically advanced, cost-efficient solutions through early-stage design collaboration.

Initial project concepts specified coarse screens and a Gross Pollutant Trap, however AWMA's engagement enabled the adoption of self-cleaning debris exclusion screens, eliminating the need for additional infrastructure and delivering substantial capital and whole of life cost savings.

The electric-driven wedge wire cylinder screens provide reliable, high-performance screening under variable flow conditions, protecting downstream wetlands and sensitive aquatic habitats. Integrated lifting points and isolation plates facilitate

safe, low-maintenance operation, reducing downtime and long-term maintenance costs.

This upgrade demonstrates AWMA's capacity to transform conceptual designs into high-performance, low-maintenance stormwater systems that deliver immediate financial benefits while enhancing long-term operational efficiency and environmental outcomes.

[Visit web page for further project and ROI details.](#)



BULKHEADS ENHANCE IRRIGATION SCHEME

AWMA is proud to have supplied specialist water control gates for the Northern Midlands Irrigation Scheme, enhancing water reliability and growth opportunities across Tasmania's lower Isis Valley and Macquarie River region.

Delivered by Hazell Bros, the project will provide high-surety irrigation water to key agricultural areas. AWMA's scope included the design and manufacture of three aluminium roller bulkheads and a storage rack for the inlet channel at Cressy.

Constructed from marine grade materials and designed for reliable operation under significant head pressure, these bulkheads support efficient water delivery over a 180-day irrigation season, helping secure Tasmania's water future.

[Visit web page for video.](#)

Photo courtesy of SA Water

SA WASTEWATER UPGRADE

A key milestone has been reached in SA Water's upgrade of the Bolivar Wastewater Treatment Plant, South Australia's largest wastewater facility, with the new inlet now operational.

The expanded inlet system more than doubles the plant's capacity, enabling the treatment of up to 630 million litres of wastewater per day. This upgrade is essential to meet the needs of Adelaide's growing population and new housing developments.

AWMA was engaged by Fulton Hogan to design and manufacture custom-engineered penstocks and stoplogs for the inlet's mechanical systems. Constructed from duplex 2205 and 316 stainless steel, each component was purpose-engineered to ensure long-term durability and reliable performance in the highly corrosive wastewater environment.

[For more information on penstock products within urban applications visit the website.](#)

ADVANCED FLOOD MANAGEMENT IN SYDNEY

AWMA has delivered an innovative automated undershot gate to improve flood management at the Sydney International Regatta Centre (SIRC) within the Penrith Lakes Scheme.

The new AWMA flood gate, designed and manufactured from grade 316 stainless steel, replaces an ageing manual sluice gate that had reached the end of its service life. Measuring 3.0 m wide by 1.8 m high and engineered for a 50-year design life, the automated system provides both on-site and remote operation. The technology enables precise water level control, sending real-time alerts directly to operators' phones or tablets, and integrates remote CCTV monitoring to ensure a safer, faster, and more efficient flood response. As this waterway is regularly accessed by the public, remote monitoring and control allows operators to visually confirm the area is clear and safe before any gate operations are undertaken.

This upgrade addresses long-term flood management challenges by improving operational management procedures, protecting downstream assets, and supporting water quality objectives. The result is an innovative water control solution that combines reliability, public safety, environmental protection, and long-term resilience for complex flood management systems.

CENTRAL INTERCEPTOR WASTEWATER TUNNEL PROJECT

Auckland's \$1.6 billion Central Interceptor is set to transform the city's wastewater management, featuring a 16.2 km main tunnel and link sewers beneath the city and the Manukau Harbour. Once complete, it will have the capacity to manage 250,000 m³ of stormwater and wastewater, reduce overflows, improve water quality, and support the city's long-term growth.

AWMA is proud to support this project, playing a pivotal role in delivering nearly 100 highly specified gate solutions, complete with advanced hydraulic and electric controls. The water control gate products supplied include slide

gates/ penstocks, stop logs, stop plates and flap gates. Collaborating with project partners AWMA's precision-engineered solutions ensure reliable, future-ready infrastructure that will perform for decades.

[Explore our web page for project details.](#)



RECENT PROJECT GALLERY

INNOVATIVE - CUSTOMISED - SUSTAINABLE



MultiBay LayFlat



TLF Penstock for Urban Application



Flood Ready



Flood Free



Penstock Solutions for Tunnel Applications



Irrigation Gates



AWMA Factory Acceptance Testing



Commissioning Automated Water Control Solutions



Self-Cleaning Cone Screen

FLOOD | ENVIRONMENTAL | IRRIGATION | WATER TREATMENT | DAMS | ENERGY & RESOURCES



HEAD OFFICE

Phone +61 3 5456 3331 Email info@awmawatercontrol.com.au
118 Roviras Road, PO Box 433, Cohuna, Victoria 3568, Australia.

www.awmawatercontrol.com

