

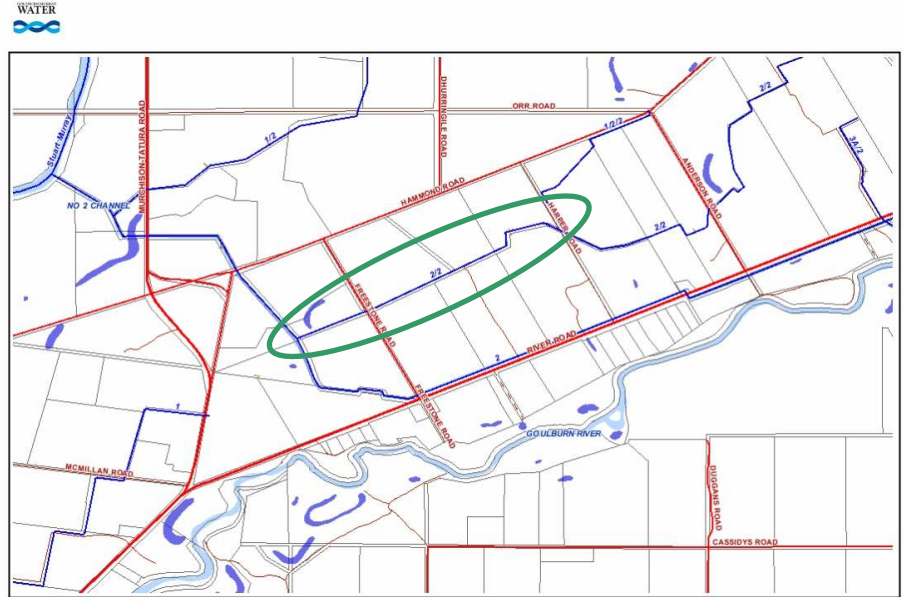
Fact Sheet

As at August 2009

Case study 3: Automation & channel lining – CG 2/2

Plastic lining of the CG2/2 in the Central Goulburn Irrigation Area has increased channel efficiency from 78.9% in 2007/08 to 91.6% in 2008/09.

Automated regulators were installed along the channel in 2002/03 and 4.5km of the CG 2/2 channel was lined with HDPE plastic in 2008 as part of a larger lining project on the CG 2 system. The entire length of CG2/2 channel has been reshaped and lined with High Density Poly Ethylene (HDPE) black plastic, 2mm thick.



Location of CG2/2 channel lining Scale = 1:21,944 Composed by: lindsay Date: 12/08/2009

How was the performance improvement calculated?

The automated regulators record the volume of water released into the top and the volume passed out of the bottom of the channel. Deliveries to customers are measured through metered outlets and on this system dethridge meter outlets have been replaced with modern electronic outlets including Flume gates and Magflow meters.

In 2007/08 the channel operated at 78.9% efficiency, in 2008/09 after lining the performance improved to 91.6% efficiency.

	2007/08	2008/09
Water into the channel	1523.5	1137.7
Water accounted for as deliveries or passed out of the channel	1202.2	1042.9
Difference	321.3	94.8
Efficiency	78.9%	91.6%

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