



Fact Sheet

As at August 2009

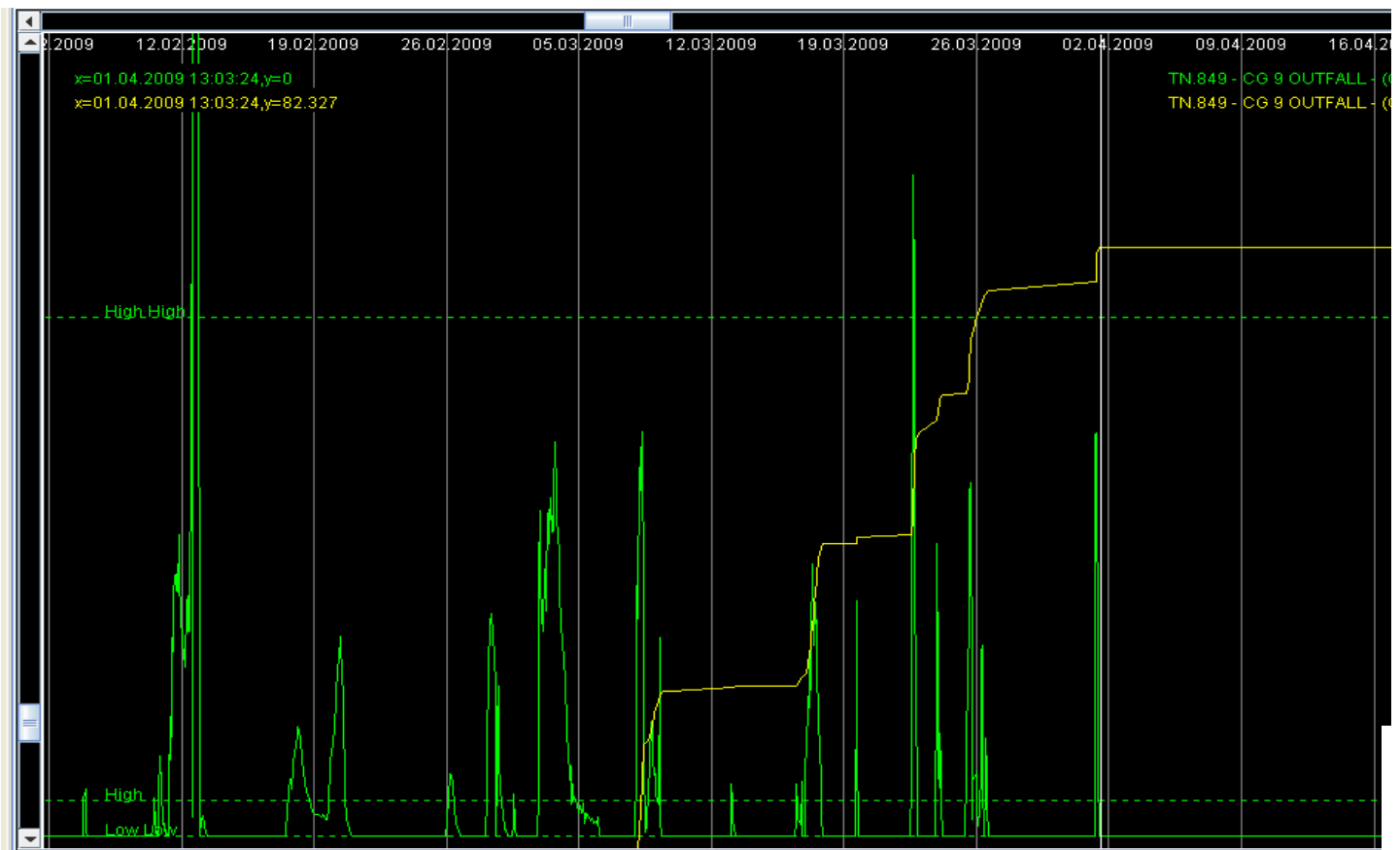
Case study 2 – Automation reduces outfalls from CG9 and CG 19/6

The graphs from G-MW's operations database show that since channel automation was 'turned on' in March and April 2009, daily outfalls reduced by so much they are no longer measurable and as a result there was no further increase in outfalls for the entire season from the CG9 and CG 19/6.

The automated regulators now talk to each other and G-MW Tatura to ensure flow rates for customer deliveries are maintained. Inflows are monitored to ensure they closely track customer demand and therefore limit the potential for unplanned spills or releases (outfalls).

Example 1 – CG9 (green shows daily outfalls, yellow shows cumulative for season)

The screen image from G-MW channel automation system illustrates the dramatic impact of automation on system outfalls - since automation was 'turned on' on 2 April 2009 there has been no further measured increase to the 82ML of outfall recorded for the 2008/09 season.



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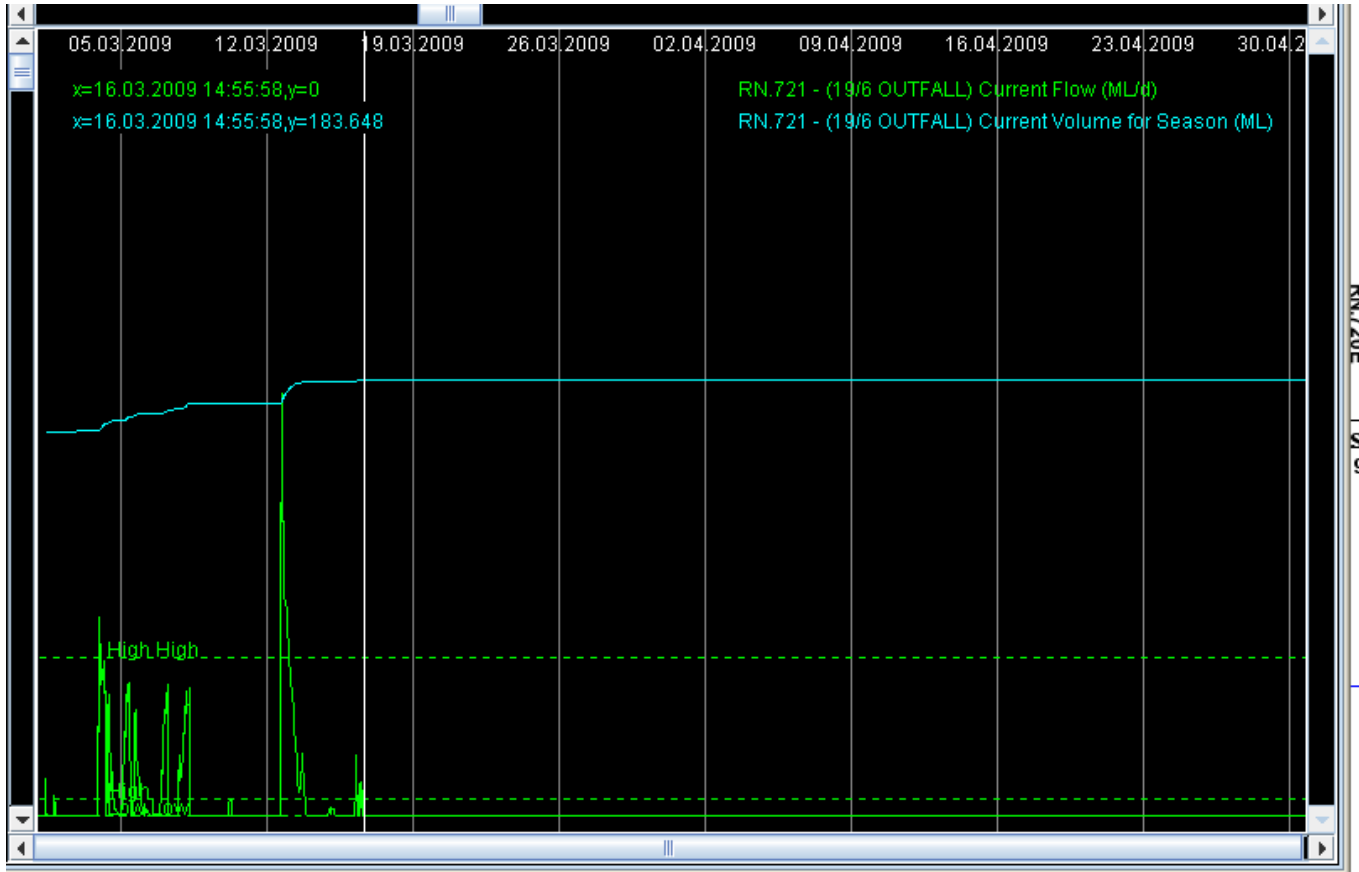
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Example 2 – CG 19/6 (green shows daily outfalls, blue shows cumulative for season)

As this graph illustrates, from the day the channel regulators began operating, there has been no additional measured increase to the total volume of outfalls from the 19/6 for the 2008/09 season. G-MW recorded 183 ML of outfalls from start of the season up to 16 March 2009 when automation took over operations of the channel. There was no further measurable increase in outfalls from 16 March through to the end of the season.



Back ground to the works

As part of the NVIRP Early Works, during the winter of 2008 1000 Flume Gates were installed across five of the six G-MW irrigation Areas (excluded CG1-4 and Shepparton which have their own modernisation projects).

- The majority of 2008 works were installed in the Central Goulburn 5-9 channels.

NVIRP has been working with a range of specialists to develop Environmental Watering Plans for waterways and wetlands of high environmental values which may be impacted by modernisation works through the reduction in incidental losses such as outfalls. In addition to the environment's share of water savings of 75,000 ML, up to 5,000 ML of mitigation water has also been set aside for this purpose.